

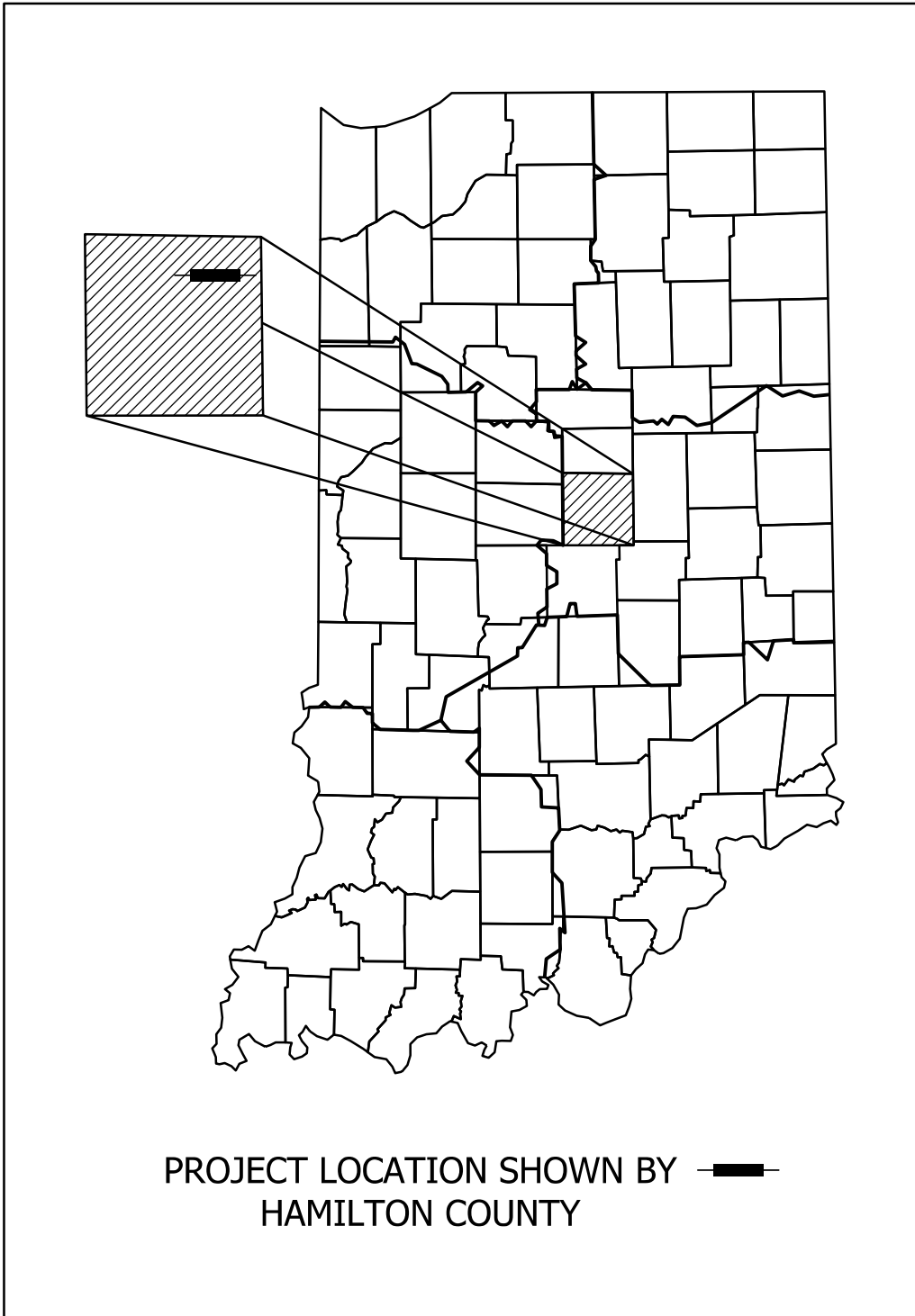
PROJECT	DESIGNATION
PB-19-0006	
CONTRACT	STRUCTURE NUMBER
	33016 33017

# HAMILTON COUNTY HIGHWAY DEPARTMENT

## REPLACEMENT PLANS FOR SMALL STRUCTURE NO. 33016 AND NO. 33017

256TH STREET OVER DEER CREEK  
WHITE RIVER TOWNSHIP  
HAMILTON COUNTY, INDIANA  
PB-19-0006

TRAFFIC DATA	
A.A.D.T. (2020)	491 V.P.D.
A.A.D.T. (2040)	600 V.P.D.
D.H.V.	V.P.H.
DIRECTIONAL DISTRIBUTION	50%
TRUCKS	25 A.A.D.T. D.H.V.
DESIGN DATA	
DESIGN SPEED	55 M.P.H.
PROJECT DESIGN CRITERIA	3R (NON-FREEWAY)
FUNCTIONAL CLASSIFICATION	SECONDARY ARTERIAL
RURAL/URBAN	RURAL
TERRAIN	LEVEL
ACCESS CONTROL	NONE



LATITUDE: 40°09'43" N LONGITUDE: 85°56'34" W

GROSS LENGTH: 0.055 MI.  
NET LENGTH: 0.055 MI.  
MAX. GRADE: 0.72 %

APPROVED BY: DATE: 06/28/2021  
HAMILTON COUNTY  
BOARD OF COMMISSIONERS

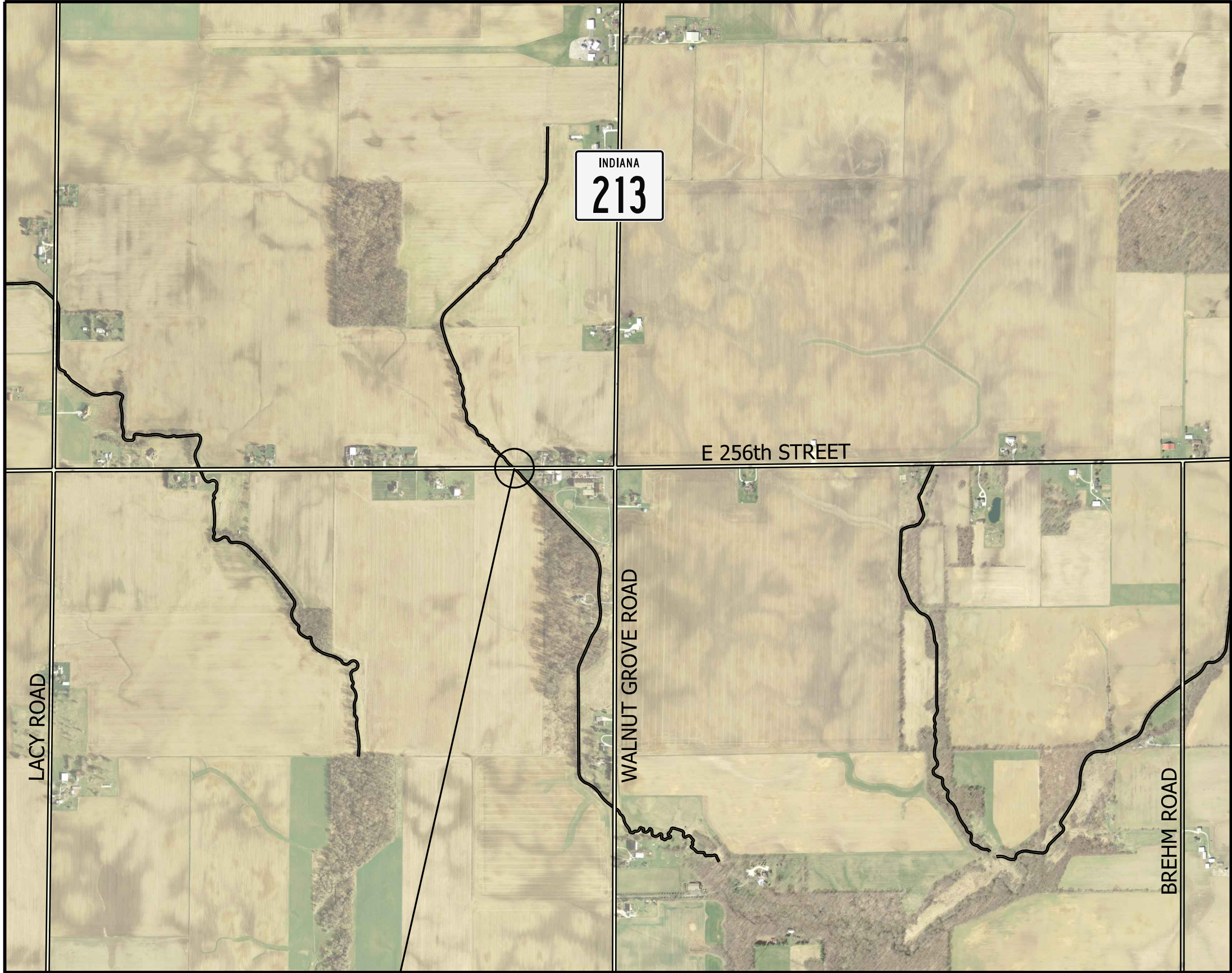
*Mark Heirbrandt*  
Mark Heirbrandt President

*Steve Dillinger*  
Steve Dillinger Vice President

*Christine Altman*  
Christine Altman Member

*Robin Mills*  
Robin Mills Auditor

*James Neal, P.E.*  
James Neal, P.E. County Highway Engineer



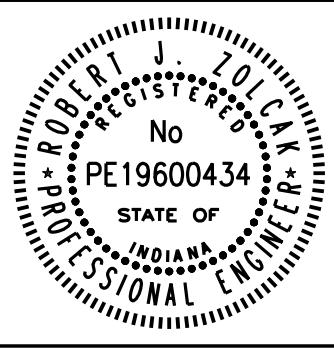
PROJECT LOCATION

Begin Project Sta. 10+10.00 "A"  
End Project Sta. 16+00.00 "A"

SCALE: 1:1000



Hanson Professional Services Inc.  
6510 Telecom Drive, Suite 210  
Indianapolis, Indiana 46278  
Phone: (317)293-9024



PLANS PREPARED BY: HANSON PROFESSIONAL SERVICES INC. (317)293-9024  
PHONE NUMBER

CERTIFIED BY: *Robert J. Zolack* 6/28/2021  
DATE

INDIANA DEPARTMENT OF TRANSPORTATION  
STANDARD SPECIFICATIONS DATED 2020  
TO BE USED WITH THESE PLANS.

STRUCTURE NUMBER	
33016 33017	
DESIGNATION	
SHEETS	
1	of 23
PROJECT	
PB-19-0006	

UTILITIES

POWER:  
Duke Energy Indiana, LLC  
1619 W. Defenbaugh  
Kokomo, IN 46902  
Contact: Tim Umbaugh  
Phone: (317)736-2018

TELECOMM:  
Frontier Communications  
of Indiana  
221 W. Washington Street  
Fairmount, IN 46928  
Contact: Dan White  
Phone: (765)436-2206

REVISIONS		
SHEET NO.	DATE	REVISED

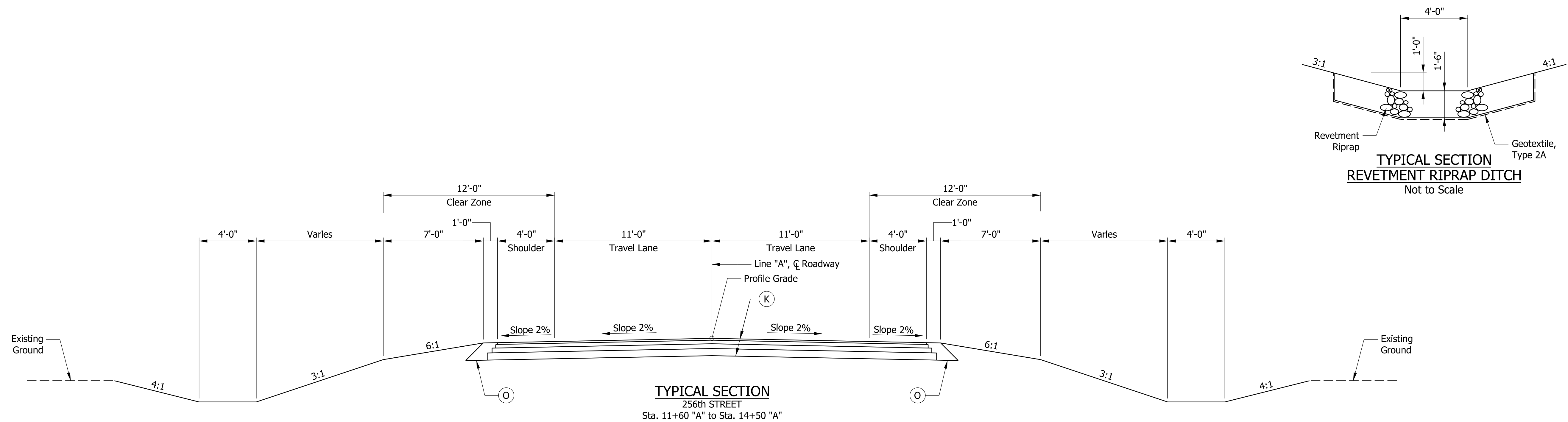
SHEET INDEX	
SHEET NO.	SUBJECT
1	TITLE
2	INDEX OF SHEETS & UTILITY CONTACTS
3	TYPICAL SECTIONS
4 - 5	LOCATION CONTROL ROUTE SURVEY PLAT
6	PLAT NO. 1
7	MAINTENANCE OF TRAFFIC (DETOUR ROUTE)
8	PLAN AND PROFILE
9 - 10	EROSION CONTROL AND DEWATERING
11	SOIL BORINGS
12	LAYOUT
13	GENERAL PLAN
14	PAVEMENT MARKING PLAN
15	SUMMARY TABLES
16 - 23	CROSS SECTIONS



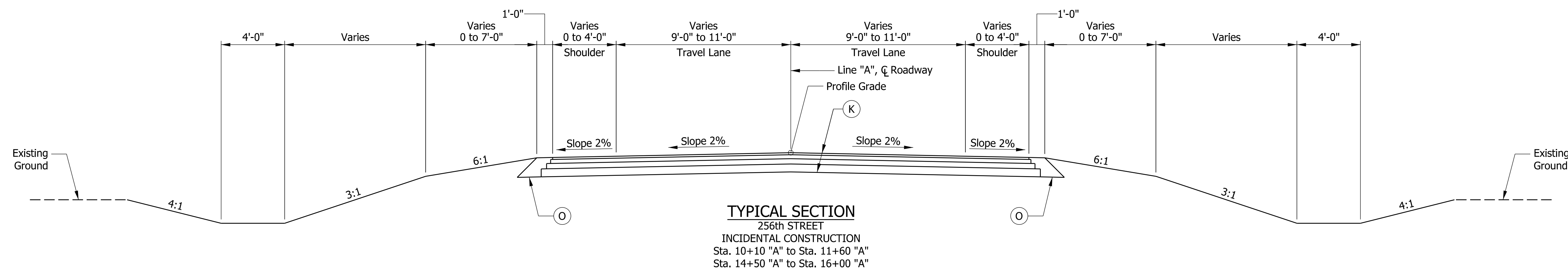
Indiana811®

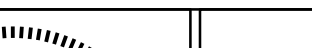
Know what's below.  
Call before you dig.

"IT'S THE LAW"  
1-800-382-5544 or 811

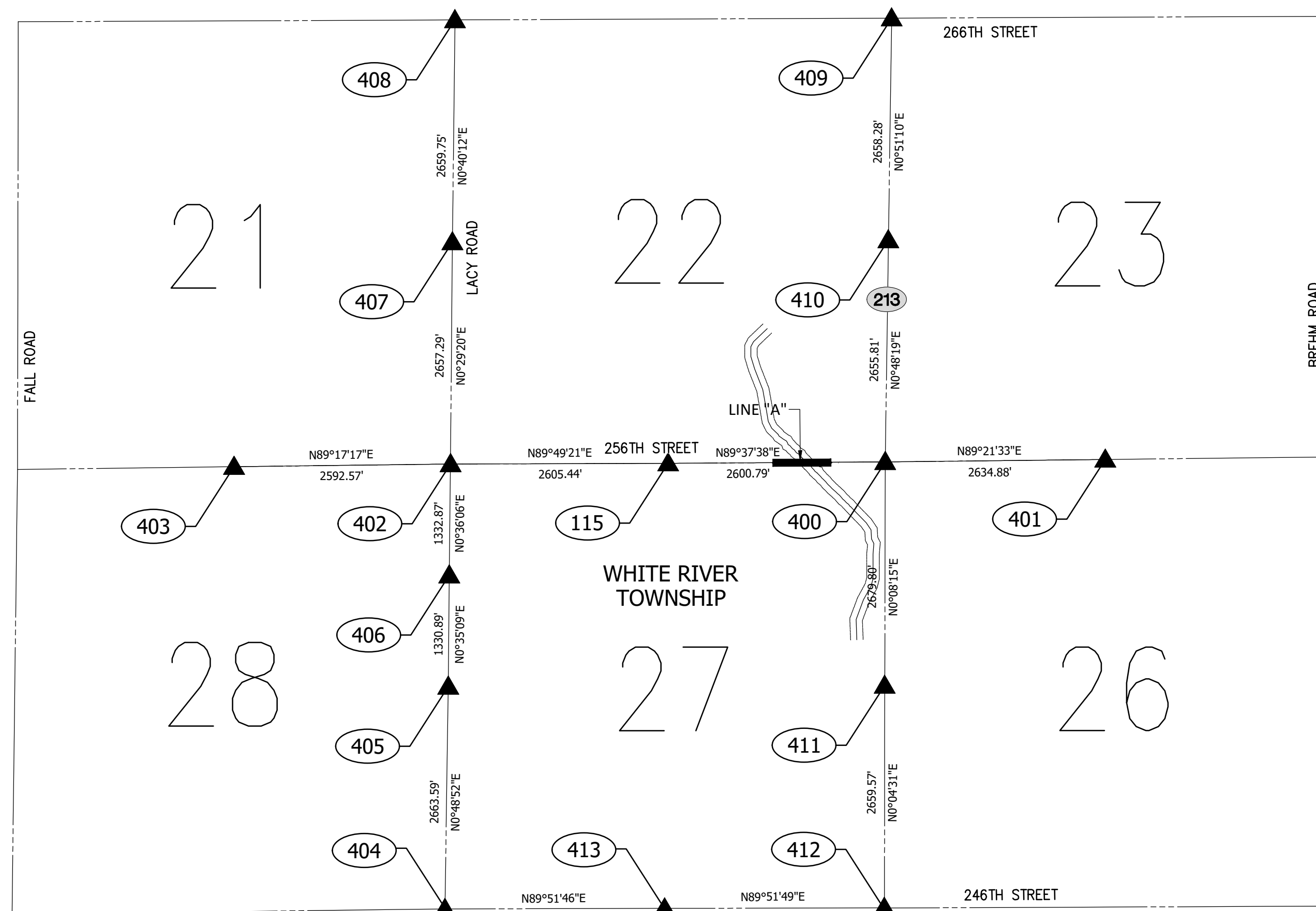


- LEGEND**
- (K) 165 LB/SYD, HMA Surface, Type B on 330 LB/SYD, HMA Intermediate, Type B on 660 LB/SYD, HMA Base, Type B on 6" Compacted Aggregate, No. 53, Stone
  - (O) Variable Depth Compacted Aggregate, No. 53, Stone



DATE	REVISION		RECOMMENDED FOR APPROVAL <i>Roy M. Milner, Jr.</i> 6/28/2021 DESIGN ENGINEER DATE		HAMILTON COUNTY HIGHWAY DEPARTMENT		STRUCTURE NUMBER 33016 33017	
							DESIGNATION	
							SCALE 1/4" = 1'-0"	
			DESIGNED: RMM DRAWN: ESC		ROADWAY TYPICAL SECTIONS		SHEETS 3 of 23	
			CHECKED: RJZ CHECKED: RMM				PROJECT PB-19-0006	

LOCATION CONTROL ROUTE SURVEY PLAT  
SMALL STRUCTURAL REPLACEMENT PROJECT  
STRUCTURES #33016 AND #33017  
HAMILTON COUNTY, INDIANA  
DATED: SEPTEMBER 10, 2020



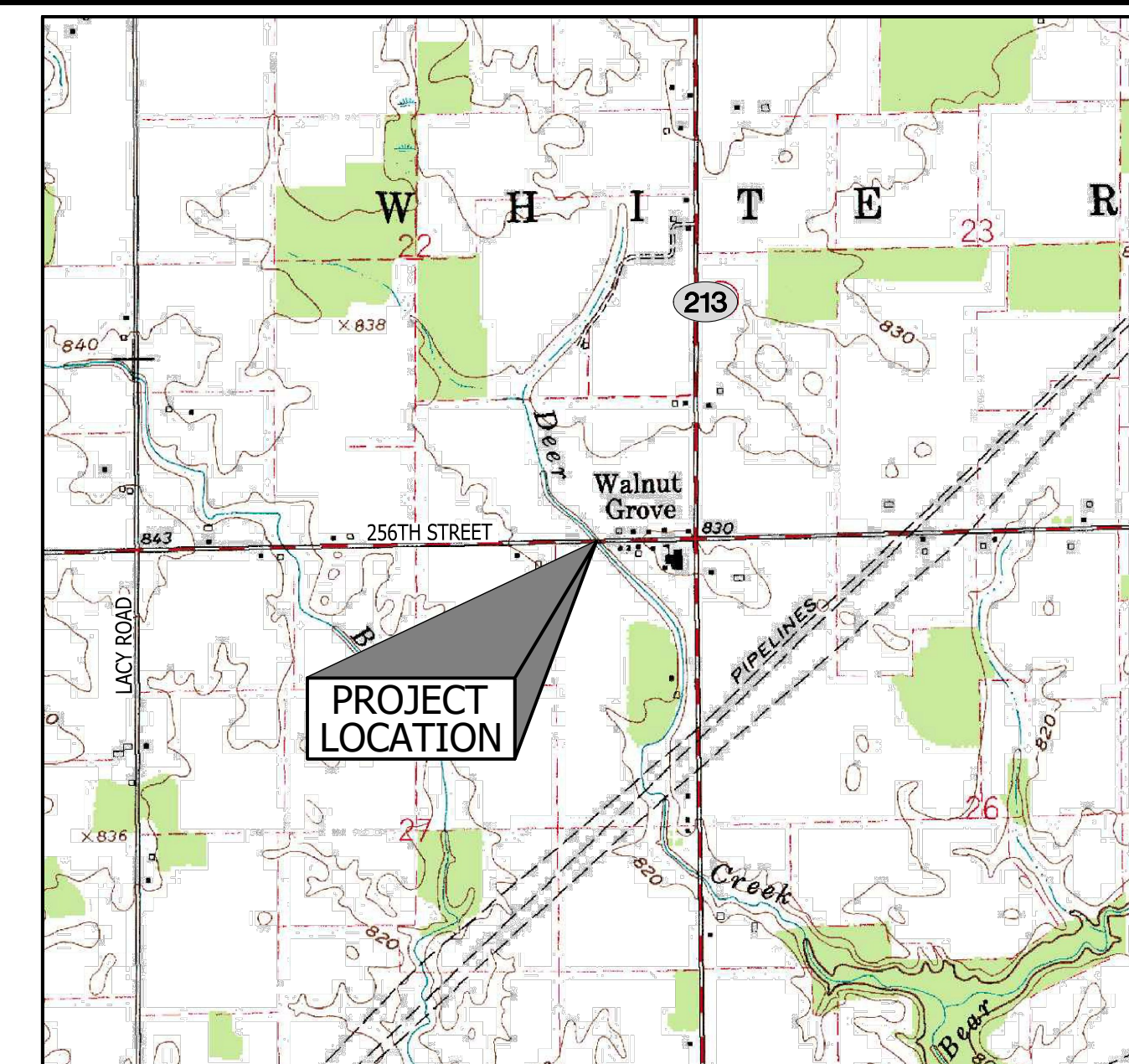
SECTION CORNER MAP  
NOT TO SCALE

ALIGNMENT POINTS					
POINT	STATION	OFFSET	LINE	NORTHING	EASTING
50	P.O.T. 9+50.00	0.0000	A	1789775.9200	250472.0699
51	P.O.T. 16+50.00	0.0000	A	1789778.5185	251172.0651






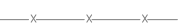



CONTROL MONUMENTS						
POINT	NORTHING	EASTING	STATION	OFFSET (FT)	LINE	DESCRIPTION
HPS1	1789792.3230	250801.3240	12+79.31	15.18' Lt.	A	5/8" IP SET
HPS2	1789759.8910	251048.0410	15+25.91	18.17' Rt.	A	5/8" IP SET

BOUNDARY & MISC. MONUMENT TABLE						
POINT	INDIANA STATE PLANE EAST ZONE US FOOT (NAD 83)		STATION	OFFSET	LINE	DESCRIPTION
	NORTHING	EASTING				
100	1789735.4970	251157.0330	16+34.81	42.97' R	A	Iron Pin w/Cap Found
101	1789736.1900	251256.9130	17+34.69	42.64' R	A	Iron Pin w/Cap Found
103	1789781.1540	251257.0610	17+35.01	2.32' L	A	Magspike Found
104	1789796.3090	251148.6900	16+26.69	17.88' L	A	Pipe Found
105	1789795.5310	251003.8020	14+81.80	17.64' L	A	5/8" Rebar Found
106	1789763.0390	250949.3430	14+27.22	14.65' R	A	Iron Pin w/Cap Found
107	1789759.5630	250517.3720	9+95.24	16.53' R	A	5/8" Rebar Found

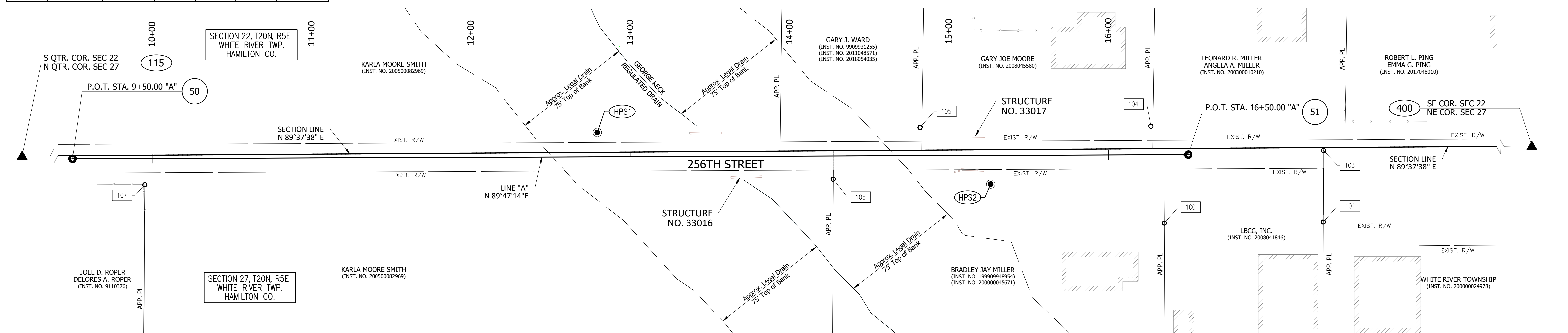
OBSERVED SECTION CORNER LOCATION RESIDUAL				
		INDIANA STATE PLANE EAST ZONE US FOOT (NAD 83)		
POINT	COUNTY POINT NUMBER	HAMILTON COUNTY POSITION (SEC COR RECORD)	OBSERVED POSITION	HORIZONTAL RESIDUAL (FT)
115	20052702	N: 1789769.6260	N: 1789769.6840	0.115
		E: 249217.9140	E: 249218.0130	
400	20052703	N: 1789786.6000	N: 1789786.6020	0.081
		E: 251818.6670	E: 251818.7480	
401	20052602	NA	N: 1789816.0690	NA
		NA	E: 254453.4590	
402	20052803	N: 1789761.6010	N: 1789761.6160	0.061
		E: 246612.5270	E: 246612.5860	
403	20052802	N: 1789729.5140	N: 1789729.4050	0.149
		E: 244020.1190	E: 244020.2210	
404	20053303	N: 1784434.6990	N: 1784434.6780	0.024
		E: 246547.1300	E: 246547.1180	
405	20052806	N: 1787097.9800	N: 1787097.9950	0.114
		E: 246584.8700	E: 246584.9830	
406	20052816	N: 1788428.7870	N: 1788428.8170	0.030
		E: 246598.5930	E: 246598.5880	
407	20052106	N: 1792418.8900	N: 1792418.8090	0.098
		E: 246635.2100	E: 246635.2660	
408	20052103	N: 1795078.3300	N: 1795078.3790	0.049
		E: 246666.3600	E: 246666.3640	
409	20052203	N: 1795100.1310	N: 1795100.1340	0.012
		E: 251895.6360	E: 251895.6480	
410	20052206	N: 1792442.1200	N: 1792442.1490	0.030
		E: 251856.0700	E: 251856.0790	
411	20052706	NA	N: 1787106.8140	NA
		NA	E: 251812.3230	
412	20053403	N: 1784447.1640	N: 1784447.2470	0.083
		E: 251808.8260	E: 251808.8290	
413	20053402	N: 1784441.0030	N: 1784440.9810	0.042
		E: 249178.1940	E: 249178.2300	


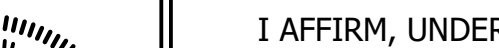



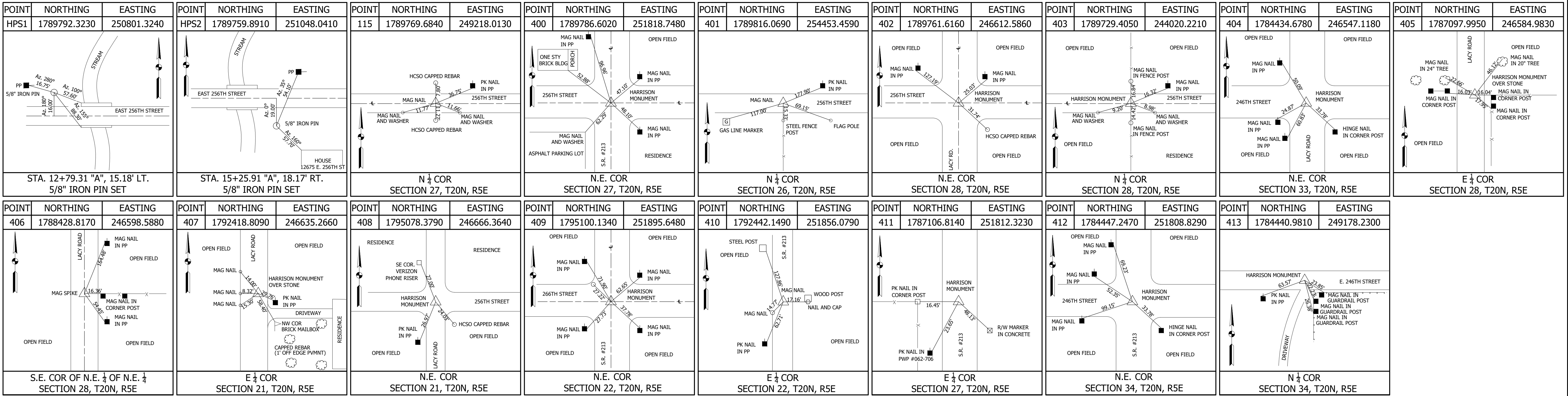
VICINITY MAP  
NOT TO SCALE

LEGEND		
	FOUND SECTION MONUMENT	 EDGE OF PAVEMENT
	FOUND MONUMENT	 FENCE
	CALCULATED C <sub>P</sub> POINT	 BUILDING
	ALIGNMENT POINTS (SEE TABLE, THIS SHEET)	
	REFERENCE POINTS (SEE TABLE, THIS SHEET)	
	BOUNDARY & MISCELLANEOUS POINTS (SEE TABLES, THIS SHEET)	
ABBREVIATIONS		
Inst. No.	Instrument Number	Sec
Exist. R/W	Existing Right-of-Way	Cor
		App. PL
		Apparent Property Line

THE EXISTING RIGHT-OF-WAY LINES, PARCEL, OWNERSHIP LINES AND OWNERSHIP INFORMATION SHOWN ON THIS PLAN ARE PRELIMINARY AND SUBJECT TO CHANGE BASED ON VERIFICATION/VALIDATION OF TITLE. THIS INFORMATION IS SHOWN ONLY TO HELP ORIENT THE USER OF THIS PLAN AS IT RELATES TO PROJECT CENTERLINES AND IS NOT INTENDED TO ESTABLISH EXISTING RIGHT-OF-WAY LINES OR OWNERSHIP LINES. THE SOURCE USED TO PLOT EXISTING RIGHT-OF-WAY LINES AND OWNERSHIP LINES SHOWN ON THIS PLAN IS FROM THE LATEST/CURRENT DEEDS OF RECORD WHICH WERE OBTAINED FROM THE PUBLIC RECORDS OF THE COUNTY OF LOS ANGELES, CALIFORNIA. THERE MAY BE AS WELL AS FROM OTHER SOURCES CITED ON THIS PLAN, WHERE NO RECORD RIGHT-OF-WAY COULD BE FOUND, THE EDGE OF PAVEMENT SHOWN MAY POSSIBLY ACT AS AN EASEMENT BY PRESCRIPTION. THE DESIGNER/CONSULTANT RESPONSIBLE FOR RIGHT-OF-WAY ENGINEERING IS TO COMPLETE THE FINAL DETERMINATION OF THIS INFORMATION.



SURVEY STARTED			<div>PREPARED BY:</div> <div><div>Hanson Professional Services Inc. 6510 Telecom Drive, Suite 210 Indianapolis, Indiana 46278 Phone: (317)293-9024</div></div>	FIELD SURVEYOR'S STATEMENT				I AFFIRM, UNDER THE PENALTIES FOR PERJURY, THAT I HAVE TAKEN REASONABLE CARE TO REDACT EACH SOCIAL SECURITY NUMBER IN THIS DOCUMENT, UNLESS REQUIRED BY LAW.			HAMILTON COUNTY HIGHWAY DEPARTMENT			HORIZONTAL SCALE		BRIDGE FILE					
27 JANUARY 2020								1" = 30'						COUNTY		DESIGNATION					
SURVEY COMPLETED				THIS SURVEY, TO THE BEST OF MY KNOWLEDGE AND BELIEF, IS EXECUTED ACCORDING TO THE PROVISIONS OF TITLE 865 I.A.C. 1-12-20 THROUGH I.A.C. 1-12-25 REGARDING ROUTE SURVEYS, EXCEPT THAT ANY DATA SHOWN REGARDING THE LOCATION OR DESCRIPTION OF THE EXISTING PARCELS IS NOT A PART OF THIS SURVEY.				PREPARED BY:			LOCATION CONTROL ROUTE SURVEY PLAT			SURVEY BOOK		SHEETS					
28 JANUARY 2020														9 - 10 - 2020		4		of		23	
ROUTE PLAT SHEETS								REGISTERED LAND SURVEYOR, FIELD DATE								CONTRACT		PROJECT			
1 OF 2												PB-19-0006									



SURVEYOR'S REPORT

ROUTE SURVEY FOR

256TH STREET OVER DEER CREEK

STRUCTURE NO. 33016 & 33017

HAMILTON COUNTY, INDIANA

GENERAL

In accordance with Title 865, Article 1, Chapter 12 of the Indiana Administrative Code ("Rule 12"), the following observations and opinions are submitted regarding the various uncertainties in the location of the lines and corners established this survey as a result of uncertainties in reference monumentation; in record descriptions and plats; in lines of occupation; and as introduced by random errors in measurement ("Relative Positional Accuracy").

- All monument reference ties are shown on the route survey plat.
- Should additional USPLS Corners be needed where none were found, they should be reestablished and tied into this survey.
- Item numbers are actual field survey point numbers used for control and topography.

Field measurements for this survey were in accordance with the specifications outlined in 865 IAC 1-12. Measurements are shown to the nearest 0.01 feet. Coordinates are shown to the nearest 0.0001 feet, not to indicate the precision of the work, but to allow for closure and adjustment by others if desired. All measurements, dimensions and coordinates are shown in U.S. Survey feet unless otherwise noted.

The purpose of this survey is to collect pertinent survey data for the replacement of Structure #33016 and the removal of Structure #33017 located along 256<sup>th</sup> Street within Hamilton County, IN. Throughout the structures, there is surface rust and minor deflection under the road. This project consists of the replacement of Structure #33016 with a new concrete box structure and Structure #33017 will be removed and not replaced.

Line "A" will now provide a basis for describing any new right-of-way that may be required as a result of this project.

THIS SURVEY IS NOT A PROPERTY RETRACEMENT SURVEY, ANY APPARENT PROPERTY LINES, CORNERS, SUBDIVISIONS OR SECTION CORNERS ARE BASED ON PHYSICAL EVIDENCE OR TESTIMONY.

HORIZONTAL CONTROL

The coordinates shown on the monuments are State Plane Coordinates, Indiana East, NAD 83 in U.S. Survey Feet or as otherwise noted. The primary Horizontal Control and Bearing Basis for this survey were developed by Trimble VRS RTK observations on all Control Points. The datum for these points is based upon State Plane Coordinates, Indiana East Zone (NAD83), Geoid 188.

SCALE FACTOR: 0.999966667  
PROJECTION TYPE: TRAVERSE MERCATOR  
ORIGIN LATITUDE: N 37° 30' 00"  
ORIGIN LONGITUDE: W 85° 40' 00"  
FALSE NORTHING: 820,208.333 U.S. FT.  
FALSE EASTING: 328,083.333 U.S. FT.

The Relative Positional Accuracy (due to random errors in measurement) of this survey based on inverse distances of recovered section corners is within the specifications for a Urban Survey (0.07 feet, 21 millimeters) plus 50 parts per million, as defined in 865 IAC.

PRESENT STRUCTURE

The small structures are located on 256th Street, approximately 850 feet west of SR 213 in Hamilton County, Indiana. Structure 33016 carries 256th Street over Deer Creek and Structure 33017 carries 256th Street over UNT to Deer Creek. Both Structures are classified as "Functionally Obsolete" per the 2016 SIA reports.

ALIGNMENTS

Line "A" was established from the centerline of the existing roadway of 256<sup>th</sup> Street running through Structure Number 33016 per topographic survey. Line "A" bearing for this survey was determined to be North 89° 47' 14" East.

RECORD DESCRIPTIONS & FOUND MONUMENTATION

See the tables on sheet 1 for record instrument references and found monuments that were located as a part of this survey. In addition to any physical evidence found and shown herein, the descriptions from the referenced record instruments and the boundary surveys as shown on sheet 1 were used in placing the boundary lines associated with this project.

EXISTING RIGHT-OF-WAY

There was no evidence found for existing right-of-way along 256<sup>th</sup> Street; therefore, the existing edge of pavement will need to serve as the existing right-of-way for this project as shown on Sheet 1 of this Location Control Route Survey Plat.

SURVEY CONTROL MONUMENTS

HPS1. Set 5/8" Iron Pin flush with ground at Sta. 12+79.31, 15.18' Lt. Line "A". Original monument; therefore, there is no uncertainty.

HPS2. Set 5/8" Iron Pin flush with ground at Sta. 15+25.91, 18.17' Rt. Line "A". Original monument; therefore, there is no uncertainty.




LINE "A" CENTERLINE ALIGNMENT MONUMENTS

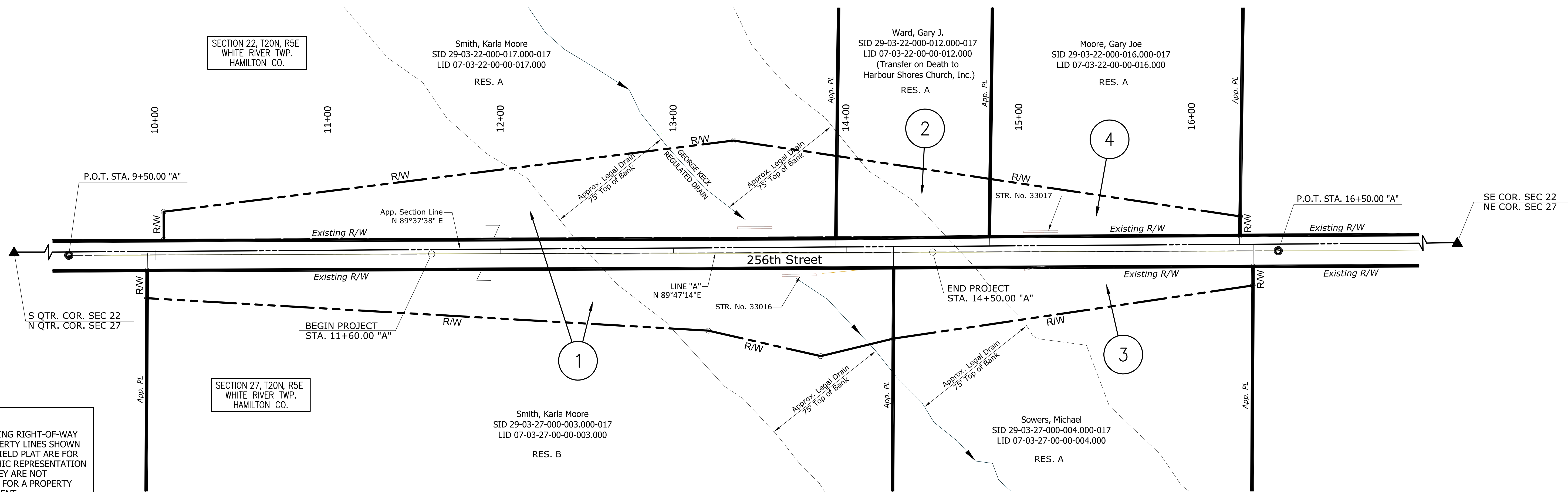
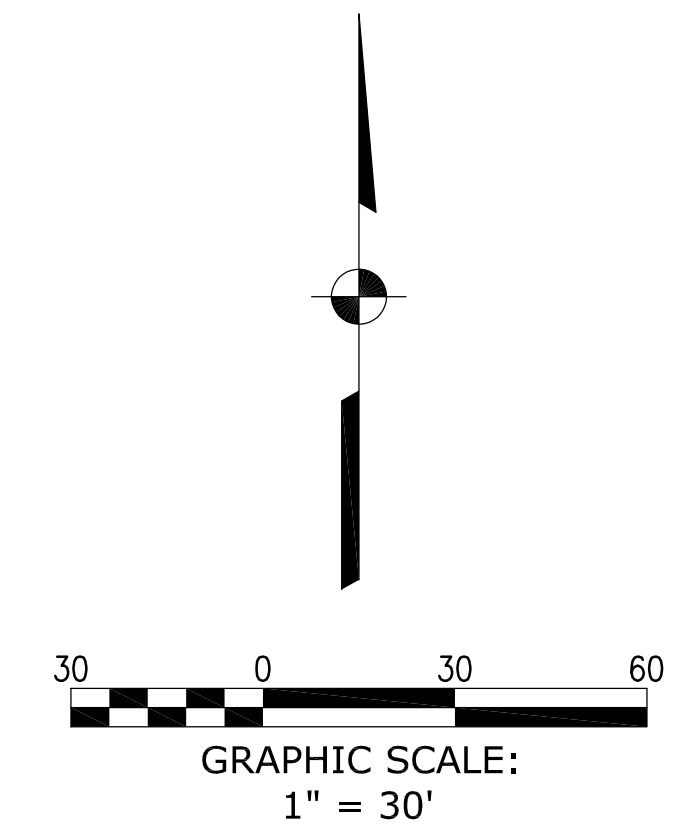
50. Calculated centerline point at P.O.T. Sta. 9+50.00, 0.00' Rt. Line "A". No Monument Set; therefore, there is no uncertainty.
51. Calculated centerline point at P.O.T. Sta. 16+50.00, 0.00' Rt. Line "A". No Monument Set; therefore, there is no uncertainty.

SECTION REFERENCE MONUMENTS

115. Found Mag Nail at the North Quarter Corner of Section 27, Township 20 North, Range 5 East, per the Hamilton County Surveyor Tie for this corner. The uncertainty in this monument as a section corner is estimated to be +/- 0.2 feet.
400. Found Harrison Monument at the Northeast Corner of Section 27, Township 20 North, Range 5 East, per the Hamilton County Surveyor Tie for this corner. The uncertainty in this monument as a section corner is estimated to be +/-0.1 feet.
401. Found Mag Nail at the Northwest Corner of the Northeast Quarter of Section 26, Township 20 North, Range 5 East, as per county ties. The Hamilton County Surveyor Tie indicates an Iron Pin. The uncertainty in this monument as a section corner is estimated to be +/- 0.1 feet.
402. Found Harrison Monument at the Northeast Corner of Section 28, Township 20 North, Range 5 East, as per county ties. The uncertainty in this monument as a section corner is estimated to be +/- 0.1 feet.
403. Found Harrison Monument at the Northwest Corner of the Northeast Quarter of Section 28, Township 20 North, Range 5 East, as per county ties. The uncertainty in this monument as a section corner is estimated to be +/- 0.2 feet.

404. Found Harrison Monument at the Northeast Corner of Section 33, Township 20 North, Range 5 East, as per county ties. The uncertainty in this monument as a section corner is estimated to be +/- 0.1 feet.
405. Found Harrison Monument at the Northeast Corner of the Southeast Quarter of Section 28, Township 20 North, Range 5 East, as per county ties. The uncertainty in this monument as a section corner is estimated to be +/- 0.2 feet.
406. Found Mag Spike at the Northeast Corner of the Southeast Quarter of the Northeast Quarter of Section 28, Township 20 North, Range 5 East, as per county ties. The Hamilton County Surveyor Tie indicates a Mag Spike with washer. The uncertainty in this monument as a section corner is estimated to be +/- 0.1 feet.
407. Found Harrison Monument at the Northeast Corner of the Southeast Quarter of Section 21, Township 20 North, Range 5 East, as per county ties. The uncertainty in this monument as a section corner is estimated to be +/- 0.1 feet.
408. Found Harrison Monument at the Northeast Corner Section 21, Township 20 North, Range 5 East, as per county ties. The uncertainty in this monument as a section corner is estimated to be +/- 0.1 feet.
409. Found Harrison Monument at the Northeast Corner of Section 22, Township 20 North, Range 5 East, as per county ties. The uncertainty in this monument as a section corner is estimated to be +/- 0.1 feet.
410. Found Mag Nail at the Northeast Corner of the Southeast Quarter of Section 22, Township 20 North, Range 5 East, as per county ties. The uncertainty in this monument as a section corner is estimated to be +/- 0.1 feet.
411. Found Harrison Monument at the Northeast Corner of the Southeast Quarter of Section 27, Township 20 North, Range 5 East, as per county ties. The uncertainty in this monument as a section corner is estimated to be +/- 0.1 feet.
412. Found Harrison Monument at the Northeast Corner of Section 34, Township 20 North, Range 5 East, as per county ties. The uncertainty in this monument as a section corner is estimated to be +/- 0.1 feet.
413. Found Harrison Monument at the Northwest Corner of the Northeast Quarter of Section 34, Township 20 North, Range 5 East, as per county ties. The uncertainty in this monument as a section corner is estimated to be +/- 0.1 feet.

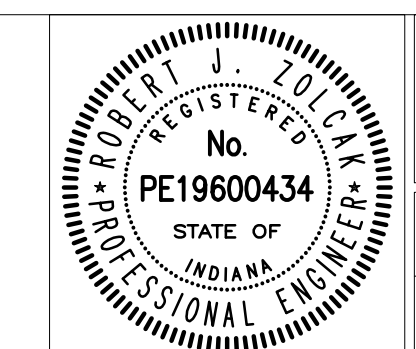
SURVEY STARTED			PREPARED BY: <div> Hanson Professional Services Inc. 6510 Telecom Drive, Suite 210 Indianapolis, Indiana 46278 Phone: (317)293-9024</div>	FIELD SURVEYOR'S STATEMENT		<div></div> <div>I AFFIRM, UNDER THE PENALTIES FOR PERJURY, THAT I HAVE TAKEN REASONABLE CARE TO REDACT EACH SOCIAL SECURITY NUMBER IN THIS DOCUMENT, UNLESS REQUIRED BY LAW.</div>	HAMILTON COUNTY HIGHWAY DEPARTMENT		HORIZONTAL SCALE		BRIDGE FILE			
27 JANUARY 2020				<div>THIS SURVEY, TO THE BEST OF MY KNOWLEDGE AND BELIEF, IS EXECUTED ACCORDING TO THE PROVISIONS OF TITLE 865 I.A.C. 1-12-20 THROUGH I.A.C. 1-12-25 REGARDING ROUTE SURVEYS, EXCEPT THAT ANY DATA SHOWN REGARDING THE LOCATION OR DESCRIPTION OF THE EXISTING PARCELS IS NOT A PART OF THIS SURVEY.</div>			<div>PREPARED BY:  REGISTERED LAND SURVEYOR, FIELD</div> <div>9 - 10 - 2020 DATE</div>		LOCATION CONTROL ROUTE SURVEY PLAT		NO SCALE		DESIGNATION	
SURVEY COMPLETED											COUNTY			
28 JANUARY 2020											HAMILTON COUNTY			
ROUTE PLAT SHEETS														
2	OF	2							SURVEY BOOK	SHEETS				
										5	of	23		
									CONTRACT	PROJECT				
										PB-19-0006				



- GENERAL NOTES:**
1. ALL EXISTING RIGHT-OF-WAY AND PROPERTY LINES SHOWN ON THIS FIELD PLAT ARE FOR GEOGRAPHIC REPRESENTATION ONLY. THEY ARE NOT INTENDED FOR A PROPERTY RETRACEMENT.
  2. A LOCATION CONTROL ROUTE SURVEY PLAT WAS RECORDED AS INSTRUMENT NUMBER 2020062757 IN THE OFFICE OF THE RECORDER OF HAMILTON COUNTY, INDIANA.
  3. "SID" INDICATES STATE TAX IDENTIFICATION NUMBER.
  4. "LID" INDICATES LOCAL TAX IDENTIFICATION NUMBER.

C:\194085\1940210\CAO\LAND\20 HW PLANS\Sheet16 PLAT-01.DWG  
JUN 30, 2021 7:57AM CANN000295

**HANSON**  
Hanson Professional Services Inc.  
6510 Telecom Drive, Suite 210  
Indianapolis, Indiana 46278  
Phone: (317)293-9024

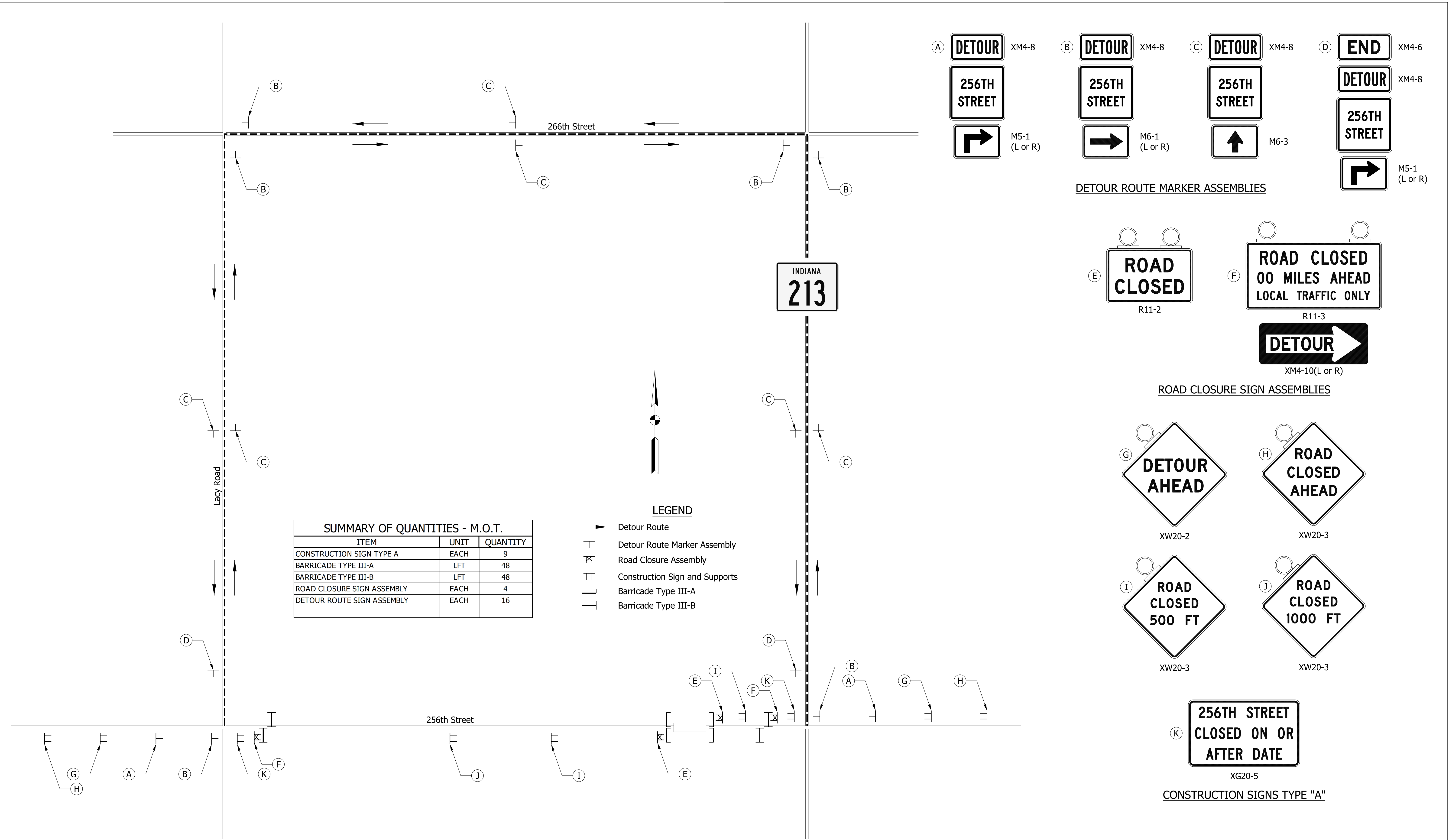


RECOMMENDED FOR APPROVAL	<i>Robert J. Jolack</i>	6/28/2021
	DESIGN ENGINEER	DATE
DESIGNED: MAW	DRAWN: DT	
CHECKED: RPM	CHECKED: MAW	

HAMILTON COUNTY  
HIGHWAY DEPARTMENT

PLAT NO. 1

		STRUCTURE NUMBER	
		33016 33017	
SCALE		DESIGNATION	
1" = 100'			
SURVEY BOOK		SHEETS	
		6	of 23
CONTRACT		PROJECT	
		PB-19-0006	



SUMMARY OF QUANTITIES - M.O.T.		
ITEM	UNIT	QUANTITY
CONSTRUCTION SIGN TYPE A	EACH	9
BARRICADE TYPE III-A	LFT	48
BARRICADE TYPE III-B	LFT	48
ROAD CLOSURE SIGN ASSEMBLY	EACH	4
DETOUR ROUTE SIGN ASSEMBLY	EACH	16

- LEGEND
- Detour Route
  - T Detour Route Marker Assembly
  - ⌵ Road Closure Assembly
  - TT Construction Sign and Supports
  - ] Barricade Type III-A
  - ⌌ Barricade Type III-B

DETOUR ROUTE MARKER ASSEMBLIES

(A) **DETOUR** XM4-8

**256TH STREET**

M5-1 (L or R)

(B) **DETOUR** XM4-8

**256TH STREET**

M6-1 (L or R)

(C) **DETOUR** XM4-8

**256TH STREET**

M6-3

(D) **END** XM4-6

**DETOUR** XM4-8

**256TH STREET**

M5-1 (L or R)

ROAD CLOSURE SIGN ASSEMBLIES

(E) **ROAD CLOSED**

R11-2

(F) **ROAD CLOSED**  
00 MILES AHEAD  
LOCAL TRAFFIC ONLY

R11-3

**DETOUR**

XM4-10(L or R)

CONSTRUCTION SIGNS TYPE "A"

(G) **DETOUR AHEAD**

XW20-2

(H) **ROAD CLOSED AHEAD**

XW20-3

(I) **ROAD CLOSED 500 FT**

XW20-3

(J) **ROAD CLOSED 1000 FT**

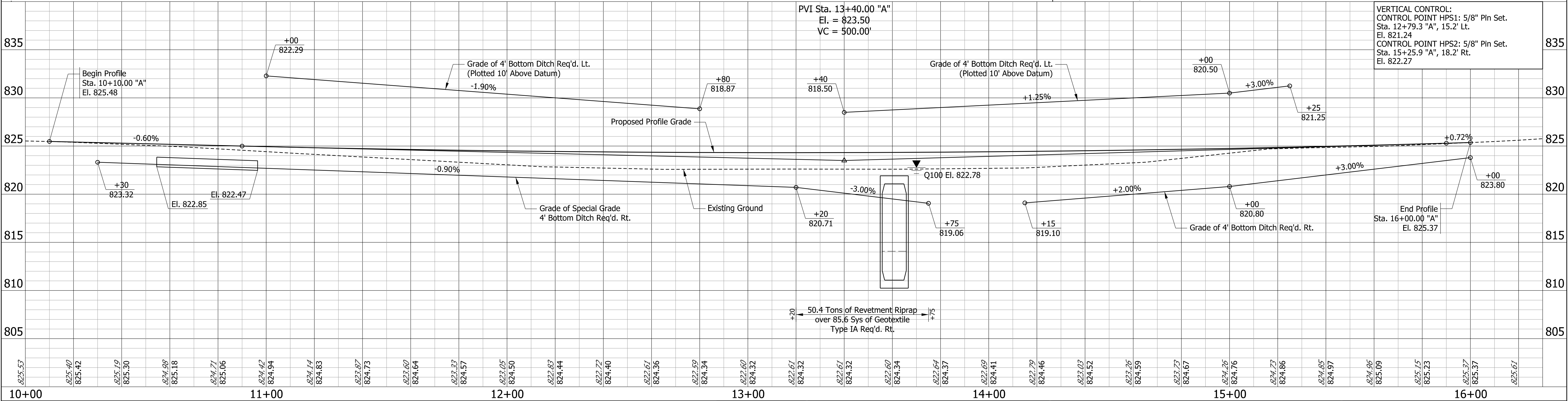
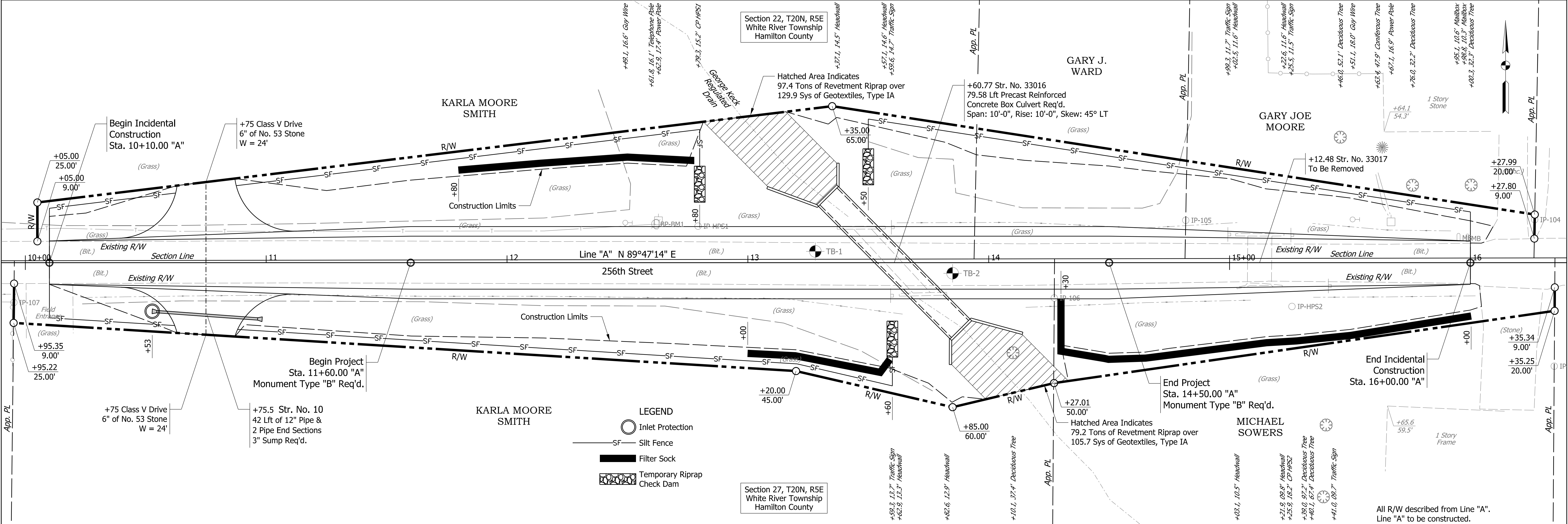
XW20-3

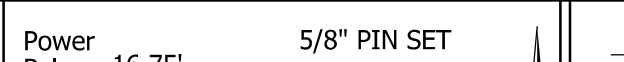
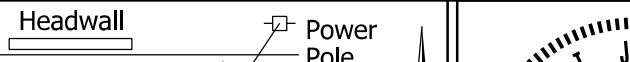

(K) **256TH STREET**  
**CLOSED ON OR**  
**AFTER DATE**

XG20-5

DATE	REVISION		RECOMMENDED FOR APPROVAL <i>Robert J. Zolcak</i> DESIGN ENGINEER DATE: 6/28/2021	HAMILTON COUNTY HIGHWAY DEPARTMENT	STRUCTURE NUMBER 33016 33017 DESIGNATION
			DESIGNED: RJZ DRAWN: ESC	MAINTENANCE OF TRAFFIC 256TH STREET DETOUR ROUTE	SHEETS 7 of 23
			CHECKED: RMM CHECKED: RJZ		PROJECT PB-19-0006





			 <p>Power Pole 16.75' 5/8" PIN SET 57.60' Headwall 16.00' E. 256th Street 5/8" PIN SET 57.60' Headwall 16.00' E. 256th Street</p> <p>N: 1789792.323 E: 250801.324</p> <p>CONTROL POINT HPS1</p>	 <p>Headwall 5/8" PIN SET 57.60' Power Pole 16.75' Headwall 16.00' E. 256th Street 5/8" PIN SET 57.60' Headwall 16.00' E. 256th Street</p> <p>N: 1789759.891 E: 251048.041</p> <p>CONTROL POINT HPS2</p>		RECOMMENDED FOR APPROVAL <i>Robert J. Zolcak</i> 6/28/2021 DESIGN ENGINEER DATE	HAMILTON COUNTY HIGHWAY DEPARTMENT	STRUCTURE NUMBER 33016 33017 SCALE DESIGNATION 1" = 20' H 1" = 5' V
				DESIGNED: RJZ CHECKED: RMM	DRAWN: ESC CHECKED: RJZ	TEMPORARY EROSION CONTROL PLAN	SURVEY BOOK 9 of 23 CONTRACT PB-19-0006	

GENERAL NOTES

Ordinary High Water (OHW) = 814.81

Cofferdams shall be Sandbag, Sheet Piling, or similar impervious temporary dike to a minimum elevation of 1 foot above OHW. Do not remove until banks are stabilized.

Sump Holes are approximately 2 to 3' diameter, 3' deep, refilled after construction.

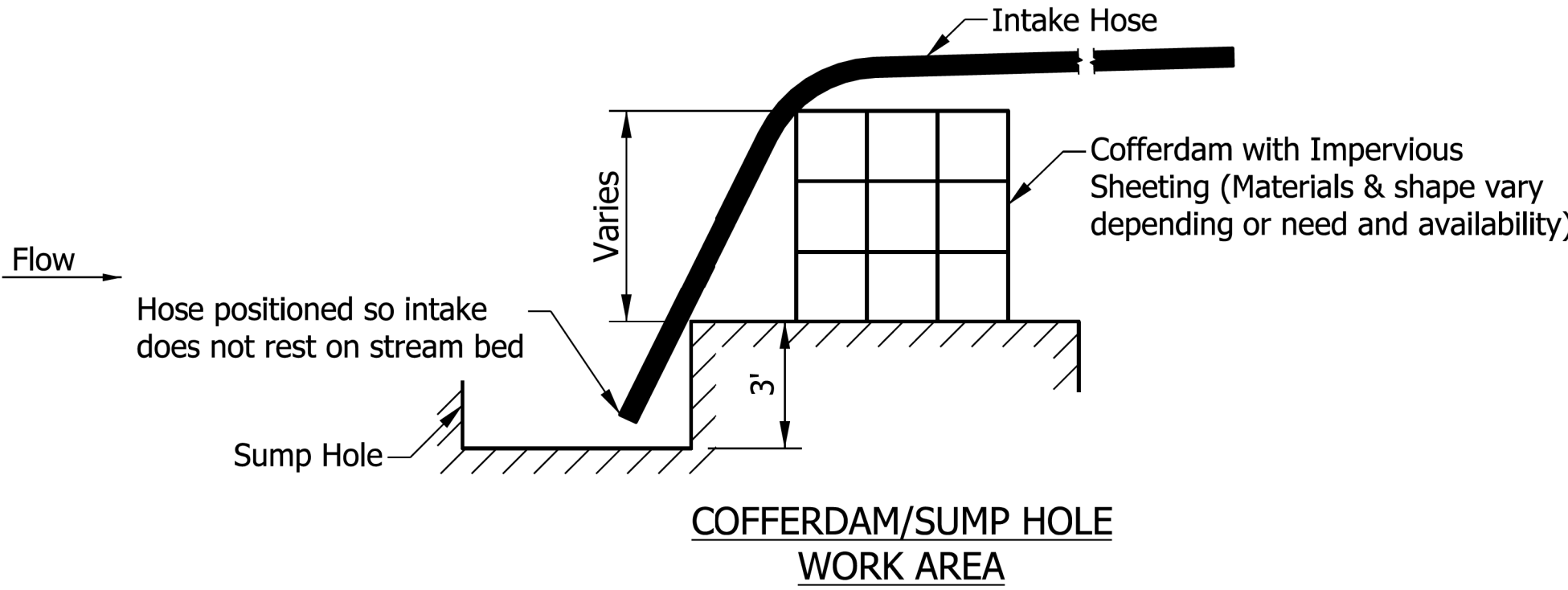
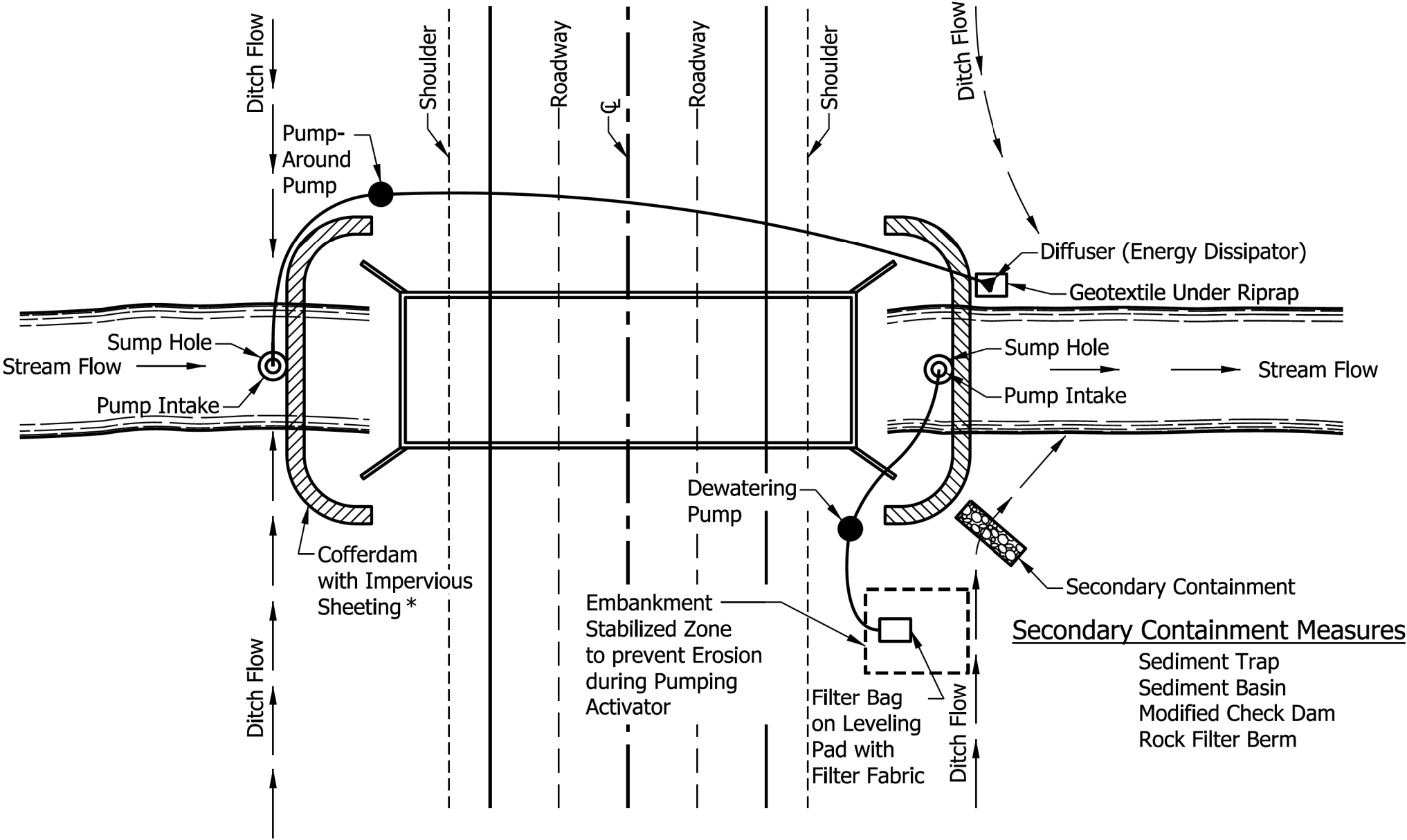
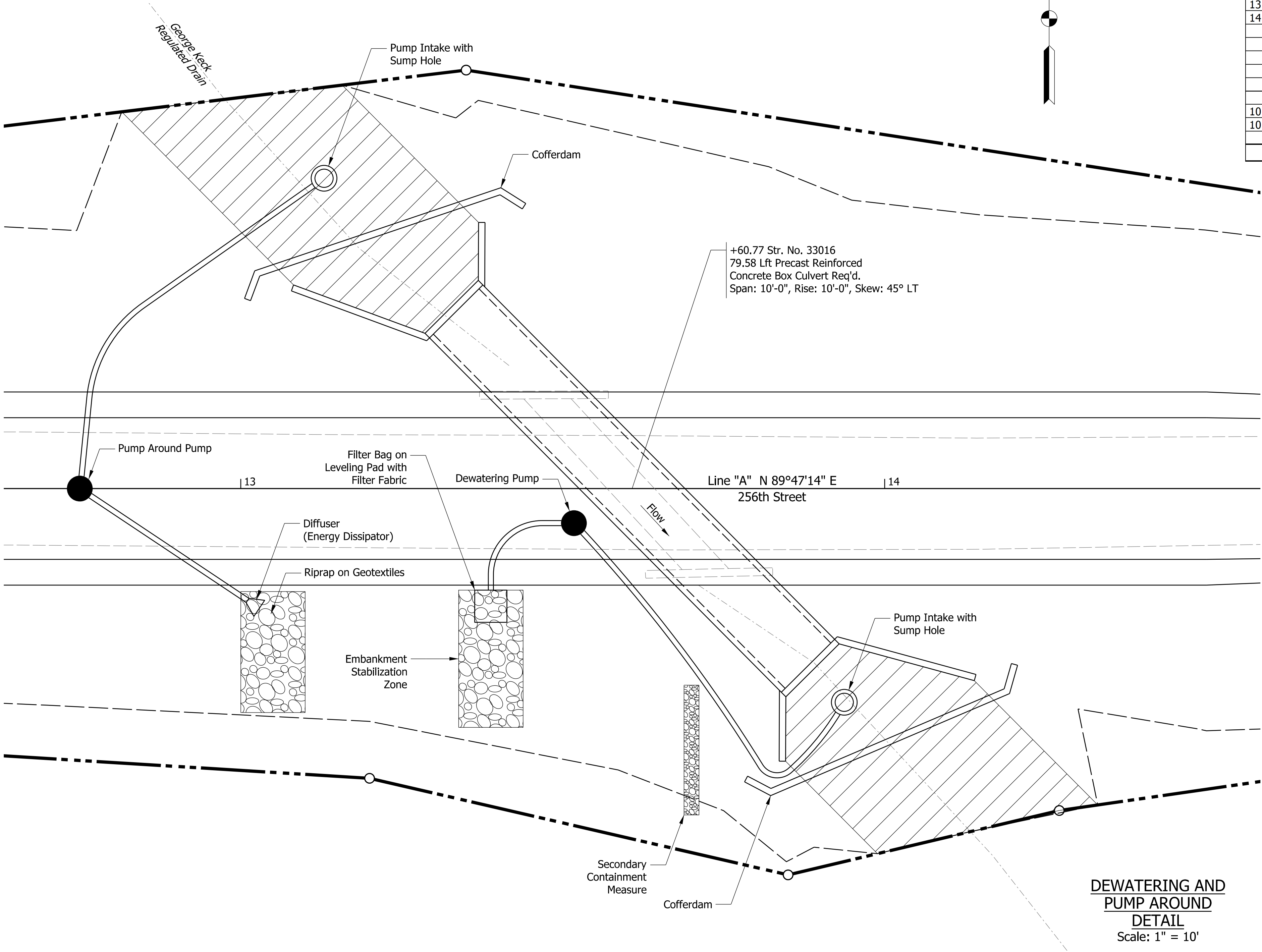
Dewatering Pumps shall include an appropriate method, such as Filter Bag, for filtering sediment. Discharge shall be on Leveling Pad, separated by secondary containment from the stream.

For the Velocity Dissapator, place a portion of the permanent riprap. For the pump around method, place on the stream bank prior to pumping.

This Schematic has been submitted to the Army Corps of Engineers as the probable worst case method of installation and disturbance to the ditch during installation of the structure.

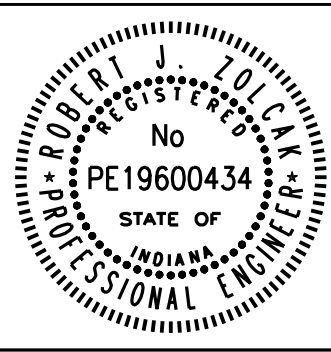
The Q2 Flow Rate is 130 CFS.

TEMPORARY EROSION CONTROL TABLE													
STATION	LOCATION			PERIMETER PROTECTION	NO. 2 STONE	GEOTEXTILES	FILTER SOCK	TEMP. MULCH STABILIZATION, TYPE A	TEMPORARY SEED MIXTURE	RIPRAP DITCH CHECK	DITCH INLET PROTECTION	PUMP AROUND	REMARKS
	LEFT	MEDIAN	RIGHT										
				LFT	TONS	SYS	LFT	SYS	LBS	TONS	EACH	EACH	
LINE "A"													
10+10 TO 12+80	●			285									
10+10 TO 13+60			●	365									
13+40 TO 16+10	●			270									
11+80 TO 12+80	●						100						
13+00 TO 13+60			●				60						
14+30 TO 16+00			●				192						
16+00					100	235							
10+53			●								1		
13+60												1	
12+80	●									3.3			
13+50	●									3.3			
13+60			●							3.3			
10+10 TO 16+00								456					
10+10 TO 16+00									14				
TOTALS				920	100	235	352	456	14	9.9	1	1	



DEWATERING AND  
PUMP AROUND  
DETAIL  
Scale: 1" = 10'


DATE	REVISION



RECOMMENDED FOR APPROVAL	Robert J. Jolack	6/28/2021
DESIGNED: RJZ	DRAWN: ESC	DATE
CHECKED: RMM	CHECKED: RJZ	

HAMILTON COUNTY HIGHWAY DEPARTMENT
TEMPORARY EROSION CONTROL AND DEWATERING PLAN

STRUCTURE NUMBER	33016 33017
SCALE	AS NOTED
SURVEY BOOK	10 of 23
CONTRACT	PB-19-0006

 <p><b>GEOTILL</b> ESTABLISHED 1982</p>	7732 Loma Ct Fishers, IN 46038 317 449 0033 Fax 317 285 0609	<h1 style="margin: 0;">TEST BORING LOG</h1>
CLIENT <u>Hanson Professional Services, Inc.</u>		BORING # <u>TB-2</u>
PROJECT NAME <u>Proposed 256th Street over Deer Creek</u>		JOB # <u>112012814</u>
PROJECT LOCATION <u>Hamilton County</u>		Latitude, Longitude <u>40.16184, -85.942809</u>
<u>Indiana</u>		

DRILLING AND SAMPLING INFORMATION	TEST DATA
-----------------------------------	-----------

Date Started <u>7/28/20</u>	Hammer Wt. <u>140</u> lbs.	
Date Completed <u>7/28/20</u>	Hammer Drop <u>30</u> in.	
Drill Foreman <u>J Sumler</u>	Spoon Sampler OD <u>2</u> in.	
Inspector <u>J Brodowski</u>	Rock Core Dia. <u>--</u> in.	
Boring Method <u>HSA</u>	Shelby Tube OD <u>--</u> in.	

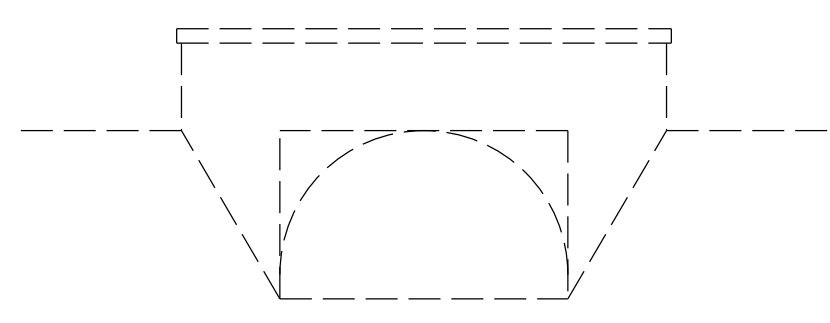
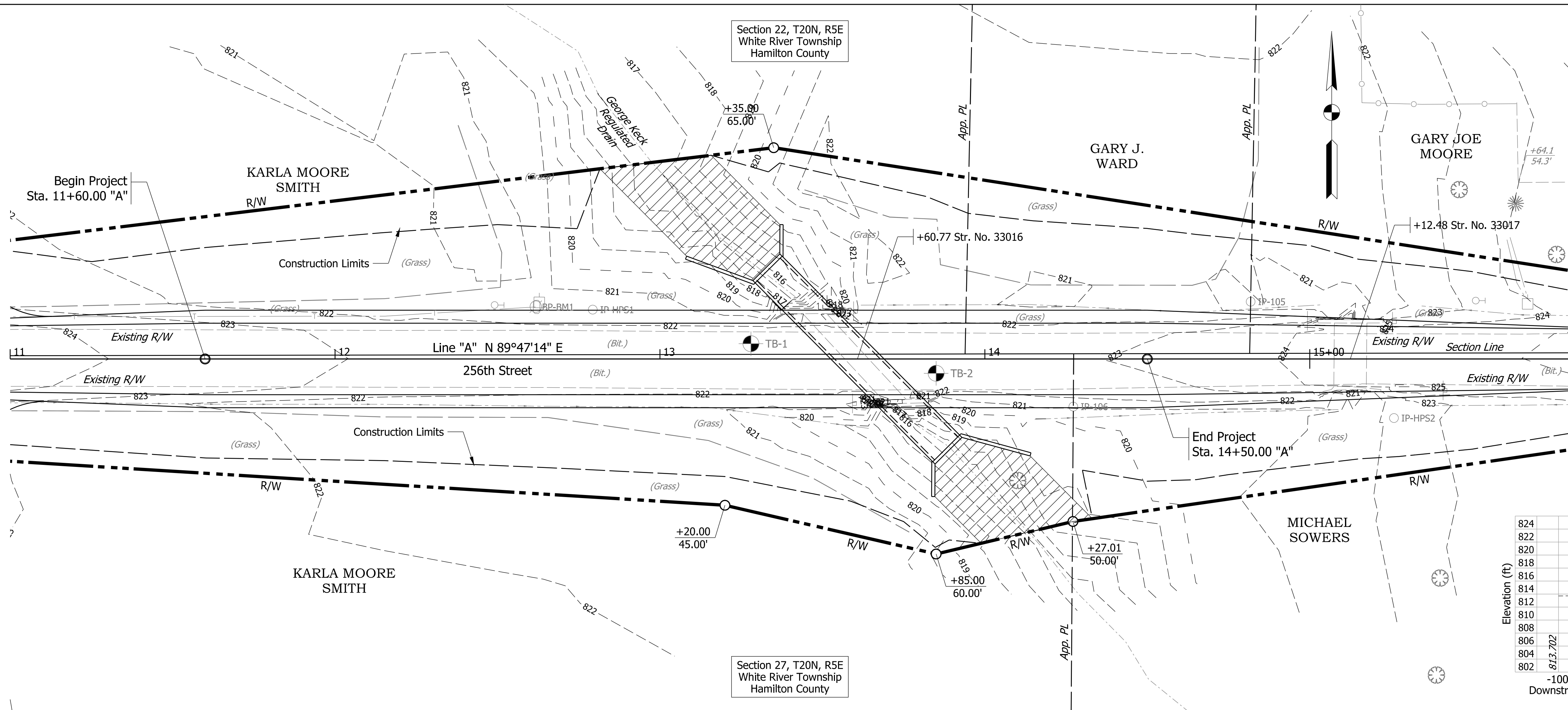
SOIL CLASSIFICATION	Soil Depth ft.	Soil Sample ft.	Soil No.	Sample Type	Sampler Graphics	Recovery Graphics	Groundwater	Standard Penetration Test Blows per 6 in. increments	Moisture Content, %	Pocket Penetrometer PP-Test	Remarks
Asphalt 10.5"	0.8										
Gravel Fill 7.5"	1.5										
Gray and Brown, very moist to moist, very soft to hard, Silty Clay (CL) (Till)			1	SS				2-1-2	28.0	1.0	
			2	SS				2-2-2	21.8	0.5	
			3	SS				5-11-20	8.9	>4.5	
Brown, moist, dense, medium Sand and Gravel (SPG), trace of silt			4	SS				8-14-18	11.4		Organic Content 1.21% @ 8.5' - 10'
Dark Gray, moist, stiff to very stiff, Silty Clay (CL), trace gravel (Till)			5	SS				5-6-11	12.9	>4.5	
			6	SS				7-7-8	13.2	>4.5	
Gray, moist, medium dense, medium Sand (SP), trace gravel			7	SS				2-5-6			
Gray, moist, very stiff, Silty Clay (CL)			8	SS				5-9-15	11.0	4.0	
Gray, moist, medium dense, Sand (SP) trace gravel			9	SS				7-8-8	13.7		
End of Boring at 35 ft	35										

<b>Sample Type</b> SS - Driven Split Spoon ST - Pressed Shelby Tube CA - Continuous Flight Auger RC - Rock Core CU - Cuttings CT - Continuous Tube	<b>Depth to Groundwater</b> Noted on Drilling Tools <u>23.0</u> ft. At Completion <u>8.0</u> ft. hours _____ Core Depth <u>21.5</u> ft.	<b>Boring Method</b> HSA - Hollow Stem Augers CFA - Continuous Flight Augers CA - Casing Advancer MD - Mud Drilling HA - Hand Auger
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Page 1 of 1

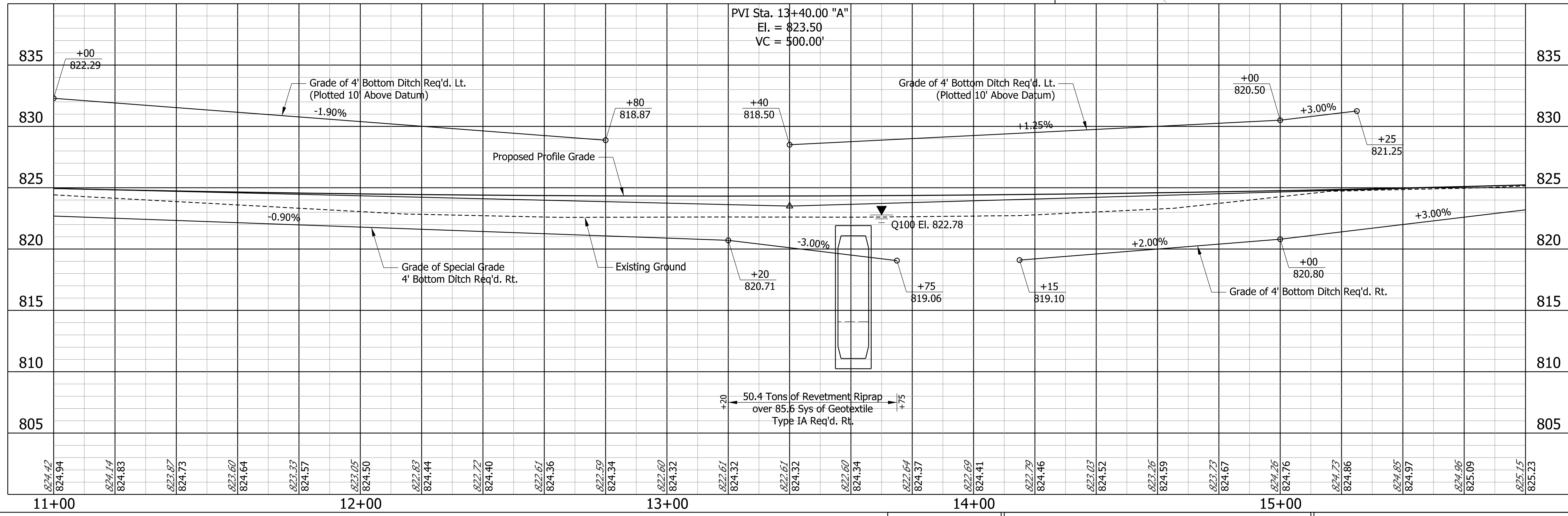
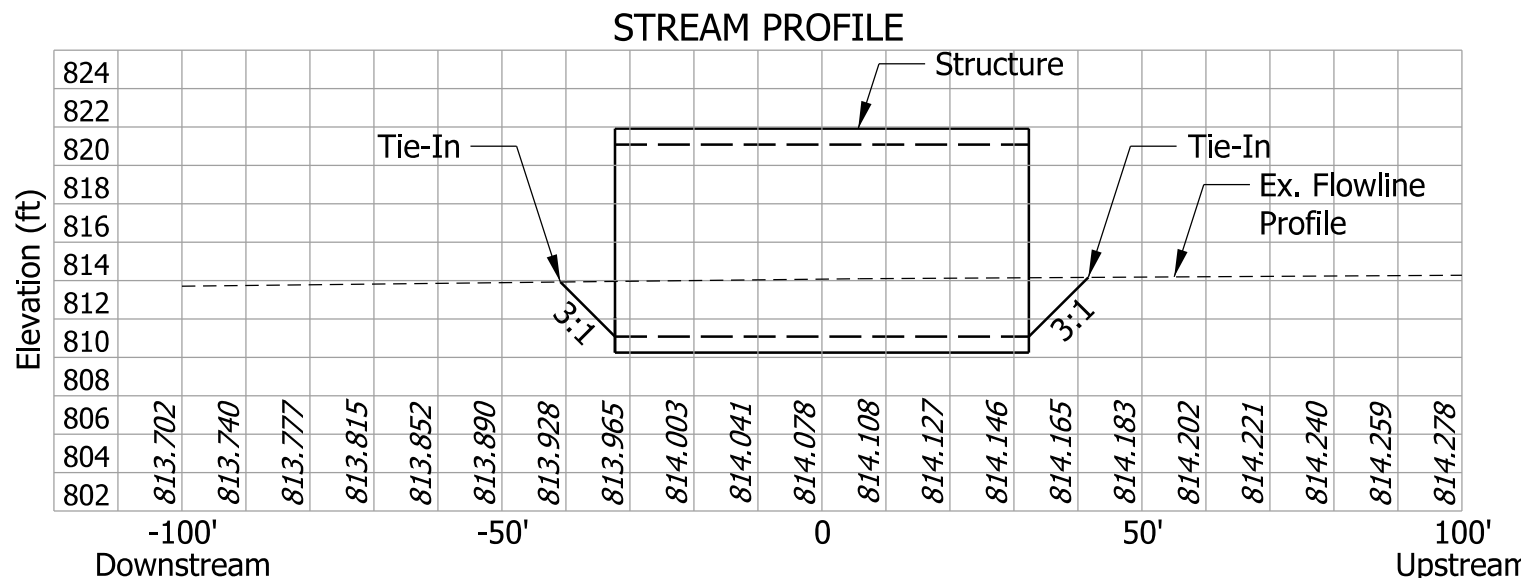
RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER _____ DATE <u>6/28/2021</u>		HAMILTON COUNTY HIGHWAY DEPARTMENT		STRUCTURE NUMBER 33016 33017 SCALE NO SCALE	
DESIGNED: _____ CHECKED: _____		SOIL BORINGS		SURVEY BOOK 11 of 23 CONTRACT PROJECT PB-19-0006	



**PRESENT STRUCTURE NO. 33016**  
The present structure is a corrugated metal pipe with concrete headwalls and concrete culvert extensions. It has one span at 29'-4" and an approximate 45° skew. The year the structure was constructed is unknown. The present structure will be removed and replaced with a concrete box structure.

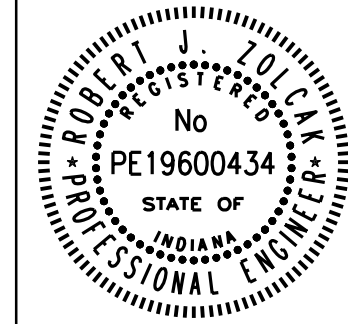
**PRESENT STRUCTURE NO. 33017**  
The present structure is a concrete box structure. It has one span at 21'-4" and has no skew. The year the structure was constructed is unknown. The present structure will be removed.

EARTHWORK SUMMARY	
Fill +20%	1562 CYS
Common Excavation	724 CYS
Waterway Excavation	147 CYS
Borrow	839 CYS
Benching	84 CYS



HYDRAULIC DATA	
Drainage Area	1.72 SQ. MI.
Q100 Discharge	413 CFS
Q100 Elevation - Existing (Stream)	823.33
Q100 Elevation - Proposed (Stream)	822.78
Q100 Velocity at Bridge - Existing	4.32 FT/S
Q100 Velocity at Bridge - Proposed	4.28 FT/S
Gross Waterway Opening below Q100 - Existing	21.2 SFT
Gross Waterway Opening below Q100 - Proposed	100 SFT
Waterway Opening over Road - Existing	70 SFT
Waterway Opening over Road - Proposed	0.00
Low Structure Elevation - Existing	820.43
Low Structure Elevation - Proposed	821.08

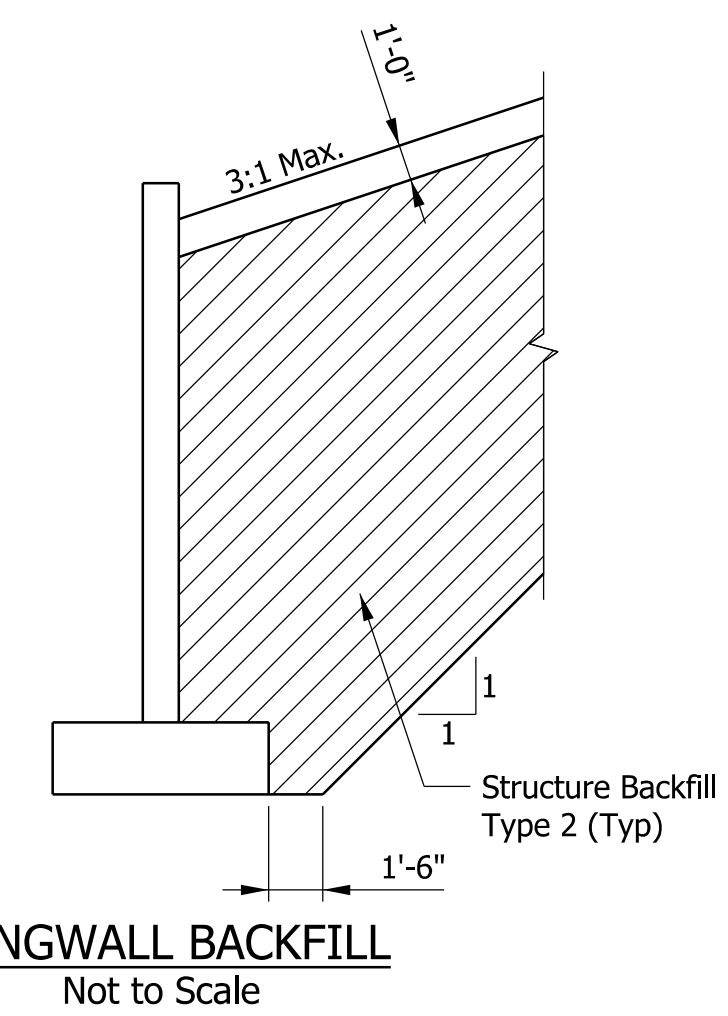
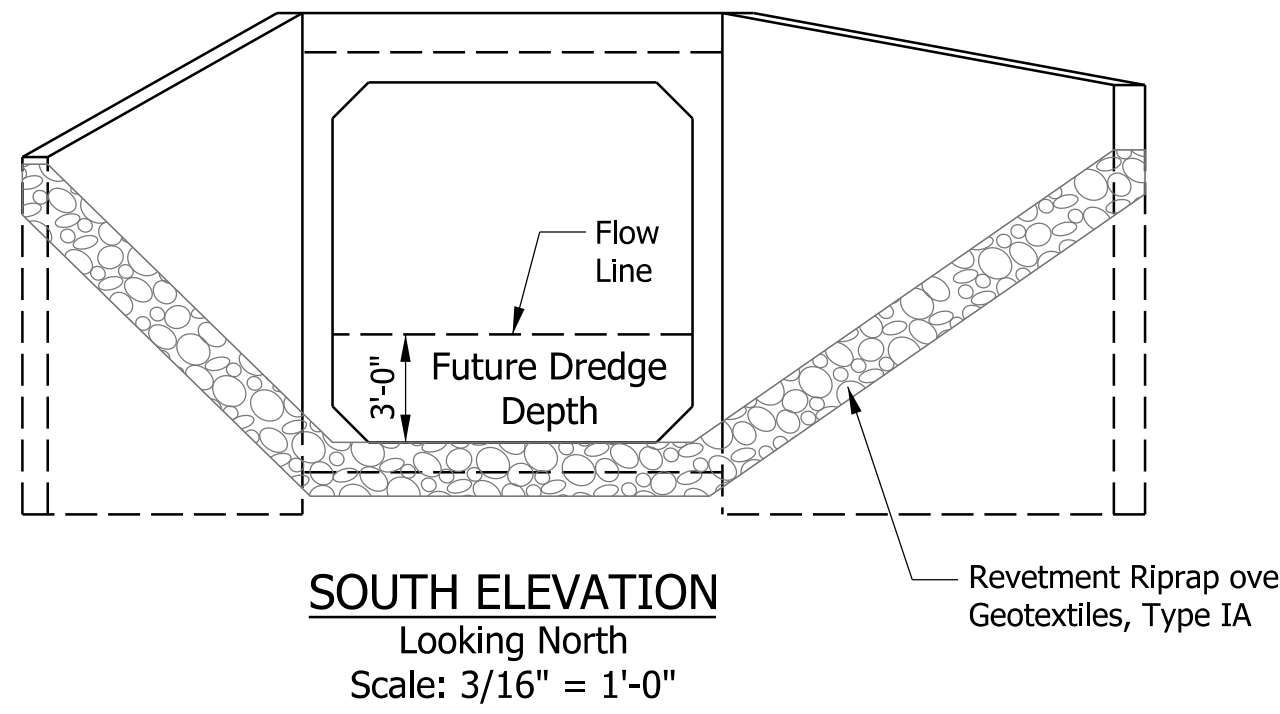
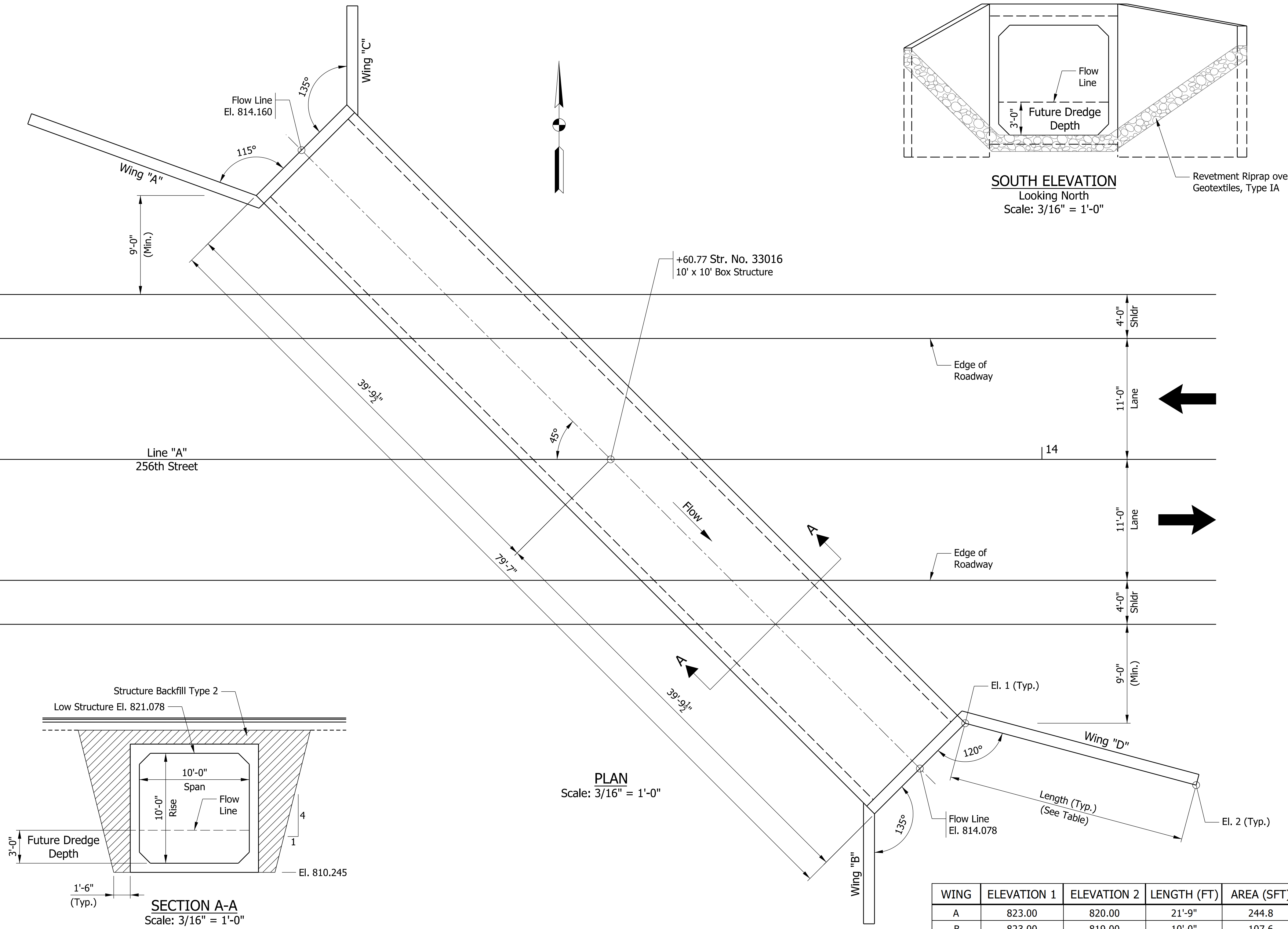
**LAYOUT**  
PRECAST CONCRETE BOX  
1 SPAN: 10'-0"  
30'-0" CLEAR ROADWAY SKEW: 45° LT  
256th STREET OVER DEER CREEK  
HAMILTON COUNTY



RECOMMENDED FOR APPROVAL  
*Robert J. Jolack*  
DESIGN ENGINEER  
DATE: 6/28/2021  
DESIGNED: RJZ  
DRAWN: ESC  
CHECKED: RMM  
CHECKED: RJZ

HAMILTON COUNTY  
HIGHWAY DEPARTMENT  
**LAYOUT**  
256th STREET OVER DEER CREEK

STRUCTURE NUMBER		33016	33017
SCALE		1" = 20' H	1" = 5' V
DESIGNATION			
SHEETS		12	of 23
CONTRACT		PROJECT	
		PB-19-0006	



SOIL PARAMETERS FOR WINGWALLS	
Factored Bearing Resistance (psf)	3700
Nominal Bearing Capacity (psf)	8300
Resistance Factor	0.45
Friction Angle of the Backfill	22°
Friction Factor of the Foundation Soil	N/A
Angle of Internal Friction of the Foundation Soil	N/A
Ultimate Adhesion between Foundation Soil and Poured Concrete Footing (Ca) psf	1100
Soil Cohesion (psf)	1625


**GENERAL NOTES**  
Groundwater may be at a higher elevation than the invert and therefore, Dewatering could be required during the Excavation and Placement of the Drainage Structure.

**DESIGN DATA**  
Designed for HL-93 Loading in accordance with the AASHTO LRFD Bridge Design Specifications 8th Edition, 2017 (LRFD 8).

Dead Load increased 35 psf for Future Wearing Surface.

WING	ELEVATION 1	ELEVATION 2	LENGTH (FT)	AREA (SFT)
A	823.00	820.00	21'-9"	244.8
B	823.00	819.00	10'-0"	107.6
C	823.00	819.00	9'-0"	96.8
D	823.00	821.00	21'-9"	255.7

**GENERAL PLAN**  
PRECAST CONCRETE BOX  
1 SPAN: 10'-0"  
30'-0" CLEAR ROADWAY SKEW: 45° LT  
256th STREET OVER DEER CREEK  
HAMILTON COUNTY

DATE	REVISION		RECOMMENDED FOR APPROVAL <u>Robert J. Zolack</u> 6/28/2021 DESIGN ENGINEER DATE		HAMILTON COUNTY HIGHWAY DEPARTMENT			STRUCTURE NUMBER 33016 33017	
							SCALE AS NOTED	DESIGNATION	
							SURVEY BOOK	SHEETS 13 of 23	
							CONTRACT	PROJECT PB-19-0006	
			DESIGNED: RJZ	DRAWN: ESC	GENERAL PLAN 256th STREET OVER DEER CREEK				
			CHECKED: RMM	CHECKED: RJZ					



PAVEMENT QUANTITIES AND APPROACH TABLE																																				
LOCATION	DESCRIPTION (APPROACH TYPE OR CLASS)	WIDTH	LENGTH	RADII	DISTANCE BEYOND R/W LINE	SURFACE BEYOND R/W LINE			GRADE	EXCAVATION		HMA FOR APPROACHES				HMA MATERIALS					SUBGRADE TREATMENT TYPE ID	SUBGRADE TREATMENT TYPE II	6" PCCP	9" PCCP	HMA MATERIAL FOR:		COMPACTED AGGREGATE NO. 53, STONE				COMPACTED AGGREGATE FOR SURFACE NO. 73		MILLING, ASPHALT, 1.5"		REMARKS	
						COMPACTED AGGREGATE BASE	HMA	CONCRETE								SURFACE TYPE B		INTERMEDIATE TYPE B		BASE TYPE B					JOINT ADHESIVE, INTERMEDIATE	TACK COAT										
LBS. PER SYD.				LBS. PER SYD.					DEPTH				DEPTH																							
1	2	3	4	CUT	FILL	165	275	880		165			330		660	6"	VAR.																			
FT	FT	FT	FT	SYS	SYS	SYS	%	%	%	%	CYS	CYS	TON	TON	TON	TON	TON	TON	TON	SYS	SYS	SYS	SYS	LFT	SYS	TON	TON	TON	TON	TON	TON	SYS				
LINE "A"																																				
10+10 TO 16+00	MAINLINE											703	1301						146							3533	583	106								
10+75 LT	MOD. CLASS V	24	21.9	25					12.0			3	1														29									
10+75 RT	MOD. CLASS V	24	18.3	25					9.8			1	3														25									
TOTALS												707	1305						146							3533	637	106								

STRUCTURE DATA																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
STRUCTURE NUMBER	LOCATION				SIZE  IN	PIPE TYPE	DESCRIPTION  MANHOLE, INLET, CATCH BASIN, OR SPECIALTY STRUCTURE AND TYPE	LENGTH	VIDEO INSPECTION LENGTH	SKEW	FLOW LINE			SERVICE LIFE YRS	SITE DESIGNATION	PH	BACKFILL METHOD	STRUCTURE BACKFILL	TYPE	STRUCTURE BACKFILL	TYPE	FLOWABLE BACKFILL	TYPE	GEOTEXTILES	REVETMENT RIPRAP	SCOUR PROTECTION				CONCRETE, CLASS A, FOR STR.	VIDEO INSPECTION	PIPE END SECTION	GRATED BOX END SECTION			SAFETY METAL END SECTION			CONNECT TO STR.	CULVERT ASSET ID	REMARKS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
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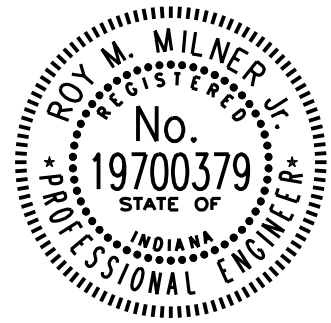
		PIPE MATERIAL TABLE			
		STRUCTURE NUMBER			
		10			
CORRUGATED STEEL PIPE / PIPE-ARCH	PIPE TYPE / SHAPE	12			
	SMOOTH PIPE SIZE	12			
	CORRUGATED PIPE SIZE				
	CLASS	II			
	D 0.01 RATING	1000			
	NON-REINFORCED CONCRETE PIPE, CLASS 3 (S)				
	CORRUGATED PE PIPE, TYPE S (S)				
	RIBBED PE PIPE (S)*				
	SMOOTH WALL PE PIPE (S)* / MAXIMUM DR				
	PROFILE WALL PVC PIPE (S)				
	SMOOTH WALL PVC PIPE (S)*				
	VITRIFIED CLAY PIPE, EXTRA STRENGTH (S)				
	FULLY BIT. PAVED & LINED (S)	CORR. PROFILE			
		THICKNESS			
	ZINC COATED (C)	CORR. PROFILE			
		THICKNESS			
CORRUGATED ALUM. ALLOY PIPE	ZINC COATED W/ BPI (C)	CORR. PROFILE	2 2/3" X 1/2"		
		THICKNESS	0.064		
	ALUM. COATED TYPE 2 (C)	CORR. PROFILE	2 2/3" X 1/2"		
		THICKNESS	0.064		
	ALUM. COATED TYPE 2 W/ BPI (C)	CORR. PROFILE			
		THICKNESS			
	POLYMER PRECOATED GALVANIZED (C)	CORR. PROFILE	2 2/3" X 1/2"		
		THICKNESS	0.064		
	POLYMER PRECOATED GALVANIZED W/ BPI (C)	CORR. PROFILE			
		THICKNESS			
	POLYMER PRECOATED GALVANIZED CORRUGATED STEEL PIPE TYPE 1A (S)	CORR. PROFILE			
		THICKNESS			
	FIBER BONDED BITUMINOUS COATED (C)	CORR. PROFILE			
		THICKNESS			
	FIBER BONDED BITUMINOUS COATED W/ BPI (C)	CORR. PROFILE			
		THICKNESS			
STR. PLATE ALUMINUM ALLOY	CORRUGATED ALUM. ALLOY PIPE (C)	CORR. PROFILE	2 2/3" X 1/2"		
		THICKNESS	0.060		
	CORRUGATED ALUM. ALLOY PIPE W/ BPI (C)	CORR. PROFILE			
		THICKNESS			
	STR. PLATE ALUMINUM ALLOY PLATE (C)	CORR. PROFILE			
		THICKNESS			
	STR. PLATE ALUMINUM ALLOY PLATE W/ CFP (C)	CORR. PROFILE			
		THICKNESS			
	STR. PLATE STEEL PIPE (C)	CORR. PROFILE			
		THICKNESS**			
	STR. PLATE STEEL PIPE W/ CFP (C)	CORR. PROFILE			
		THICKNESS**			

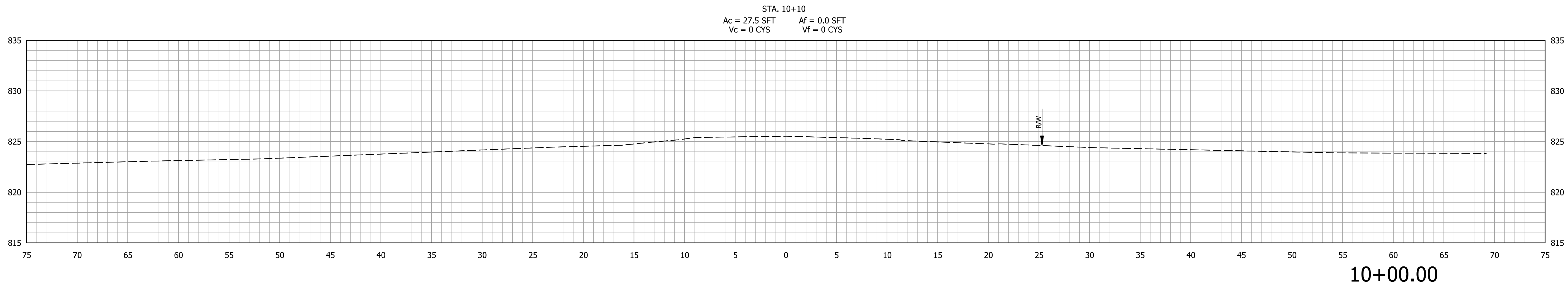
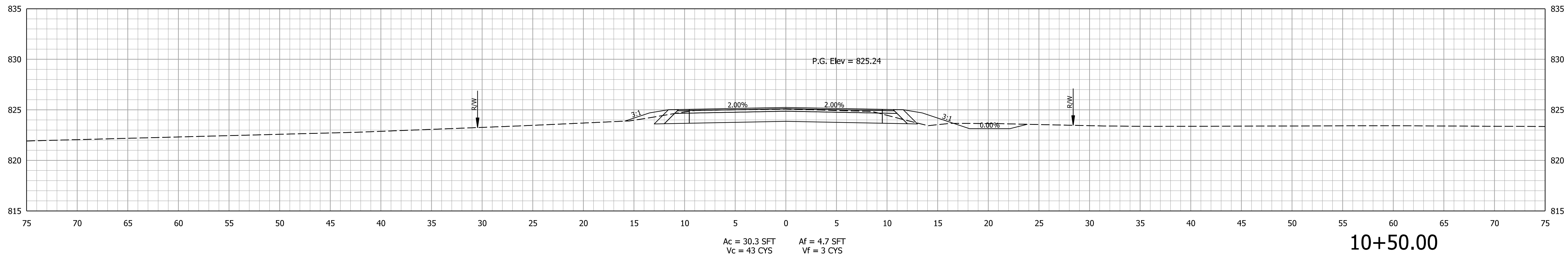
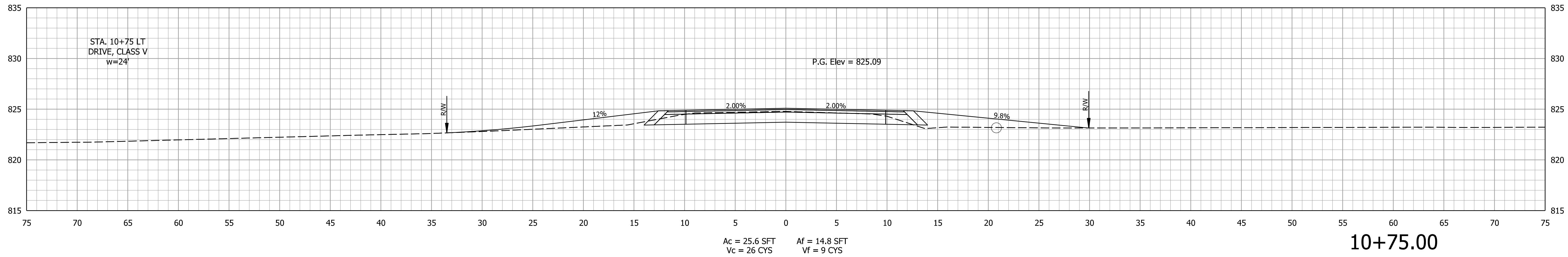
LEGEND	
RCP	Reinforced Concrete Pipe
RCHEP	Reinforced Concrete Horizontal Elliptical Pipe
PE	Polyethylene
DR	Dimension Ratio
PVC	Polyvinyl Chloride
BIT	Bituminous
CORR	Corrugation
BPI	Bituminous Paved Invert
ALUM	Aluminum
STR	Structural
CFP	Concrete Field Paving
CIR	Circular Pipe
DEF	Deformed Pipe
(S)	Smooth Pipe Material
(C)	Corrugated Pipe Material
OK	Acceptable for Use
(LS)	Lock Seam Pipe Required
*	Refer to Standard Drawings 715-PHCL-18 and 715-PHCL-19 for nominal diameter appropriate for pay item diameter.
**	Tabulated thickness refers to top and side plates. Bottom plates shall be of next greater available thickness.

MONUMENT TABLE								
LOCATION	LEFT	CENTER	RIGHT	MONUMENT TYPE	TYPE "B" EACH	TYPE "C" EACH	TYPE "D" EACH	SECTION CORNER EACH
LINE "A"								
STA. 11+60		●			1			
STA. 14+50		●			1			
TOTALS					2			

MAILBOX APPROACHES							
STATION	LEFT	RIGHT	DESCRIPTION	WIDTH (FT)	ASSEMBLY REQ'D		
					SINGLE	DOUBLE	
LINE "A"							
STA. 15+95	●		RESET		1		
STA. 15+99	●		RESET		1		
TOTALS					2		

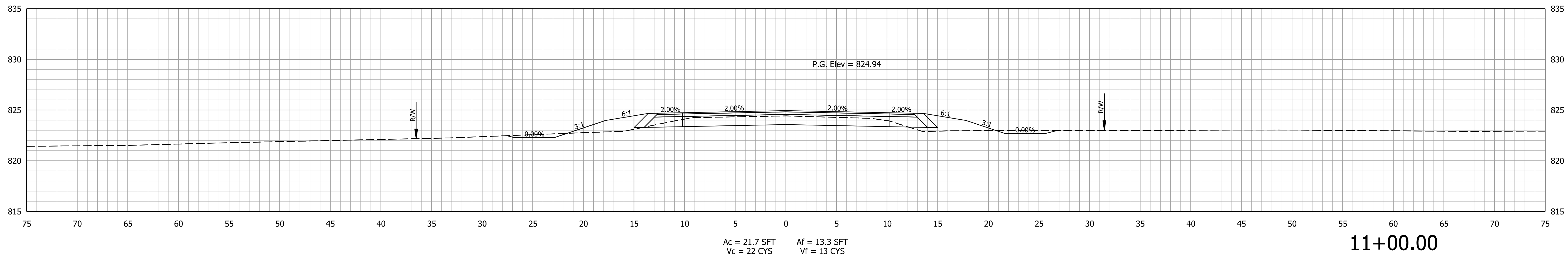
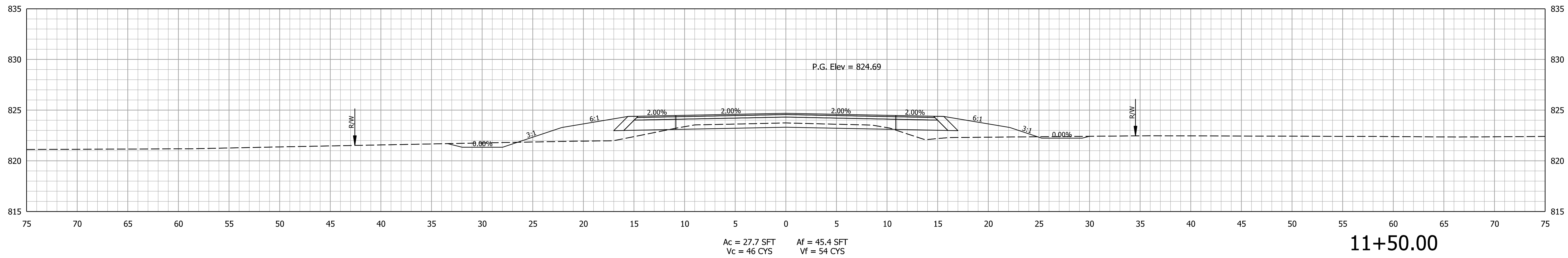
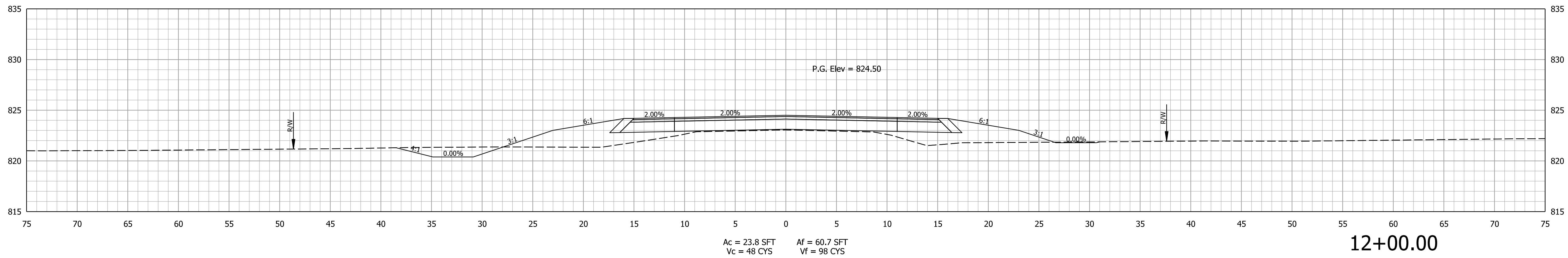
R/W MARKER TABLE					
STATION	LINE	LEFT	RIGHT	OFFSET (FT)	EACH
9+95.35	"A"		●	9.0	1
9+95.22	"A"		●	25.0	1
10+05.00	"A"		●	9.00	1
10+05.00	"A"		●	25.0	1
13+20.00	"A"		●	45.0	1
13+35.00	"A"		●	65.0	1
13+85.00	"A"		●	60.0	1
14+27.01	"A"		●	50.0	1
16+27.80	"A"		●	9.0	1
16+27.99	"A"		●	20.0	1
16+35.25	"A"		●	20.0	1
16+35.34	"A"		●	9.0	1
TOTALS					12

DATE	REVISION		RECOMMENDED FOR APPROVAL <i>Roy M. Milner, Jr.</i> 6/28/2021 DESIGN ENGINEER DATE	HAMILTON COUNTY HIGHWAY DEPARTMENT			STRUCTURE NUMBER
							33016 33017
						SCALE NO SCALE	DESIGNATION
			DESIGNED: RMM	DRAWN: ESC	SUMMARY TABLES	SURVEY BOOK	SHEETS
			CHECKED: RJZ	CHECKED: RMM		CONTRACT	15 of 23
							PROJECT PB-19-0006



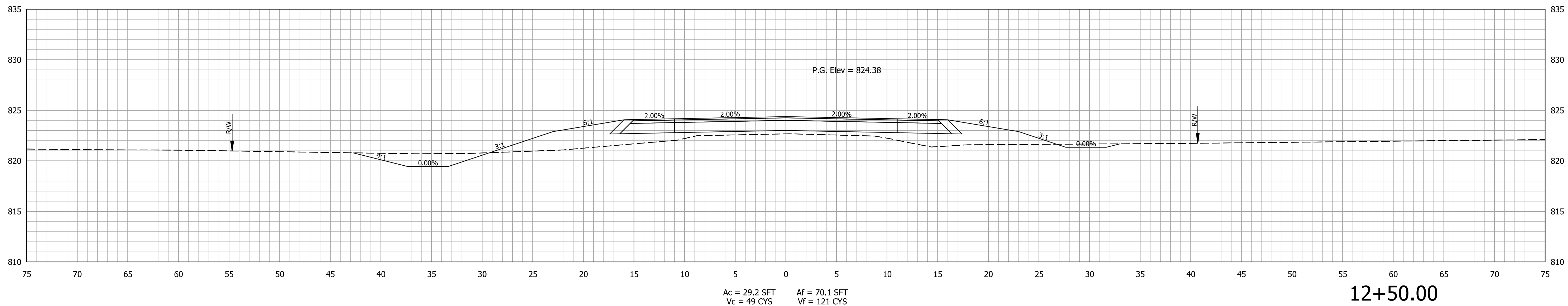
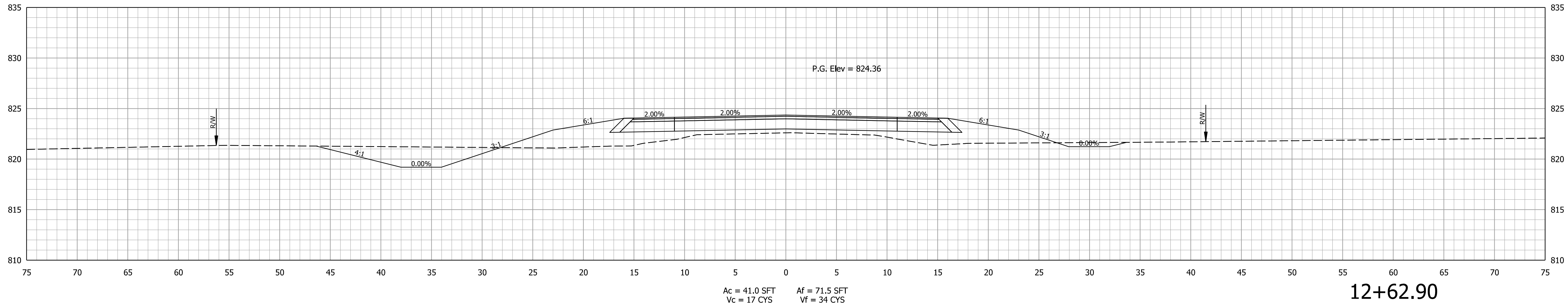
STA. 10+00.00 TO STA. 10+75.00

		RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER		6/28/2021 DATE	INDIANA DEPARTMENT OF TRANSPORTATION		BRIDGE FILE 33016 33017 DESIGNATION	
		DESIGNED: RMM		DRAWN: RLH	CROSS SECTIONS LINE "A"		SHEETS	
		CHECKED: RJZ		CHECKED: RMM			CONTRACT	
							PROJECT PB-19-0006	
							16 of 23	



STA. 11+00.00 TO STA. 12+00.00

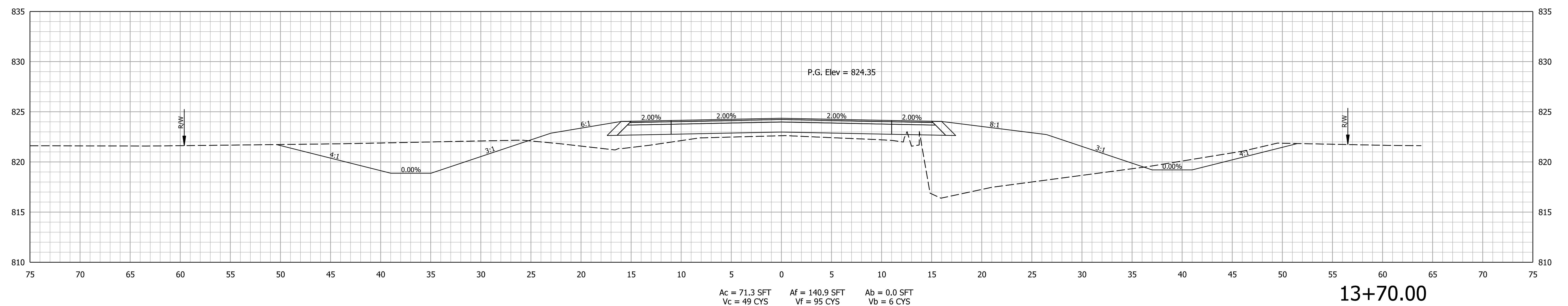
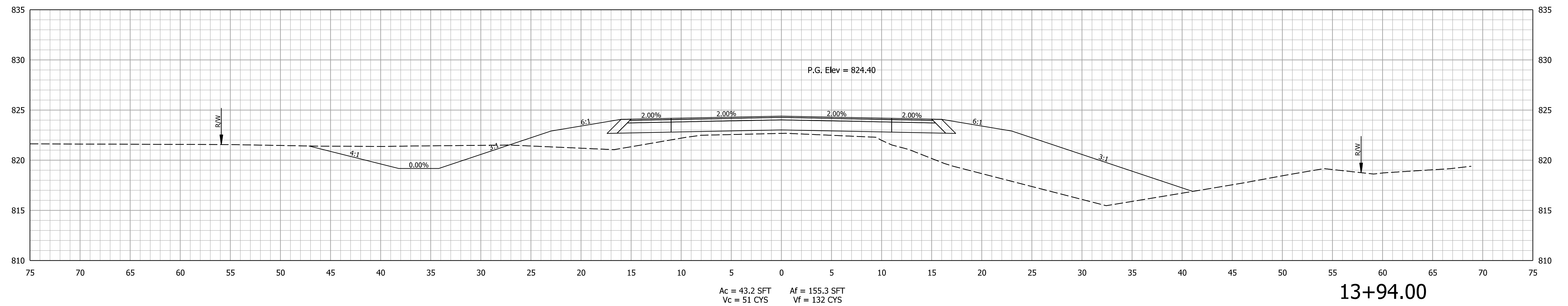
RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	6/28/2021 DATE	INDIANA DEPARTMENT OF TRANSPORTATION	BRIDGE FILE		
				33016	33017	
				DESIGNATION		
			1" = 5'			
DESIGNED: RMM	DRAWN: RLH		SURVEY BOOK		SHEETS	
					17	of 23
CHECKED: RJZ	CHECKED: RMM		CONTRACT		PROJECT	
					PB-19-0006	



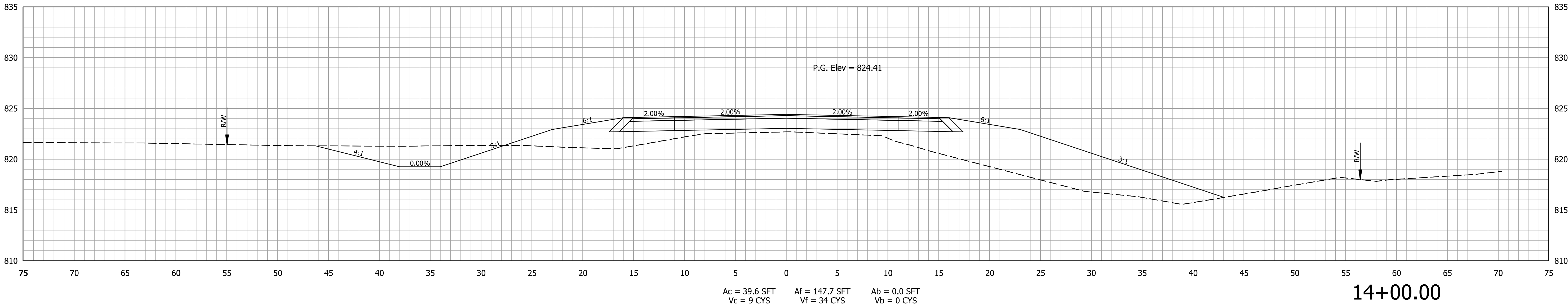
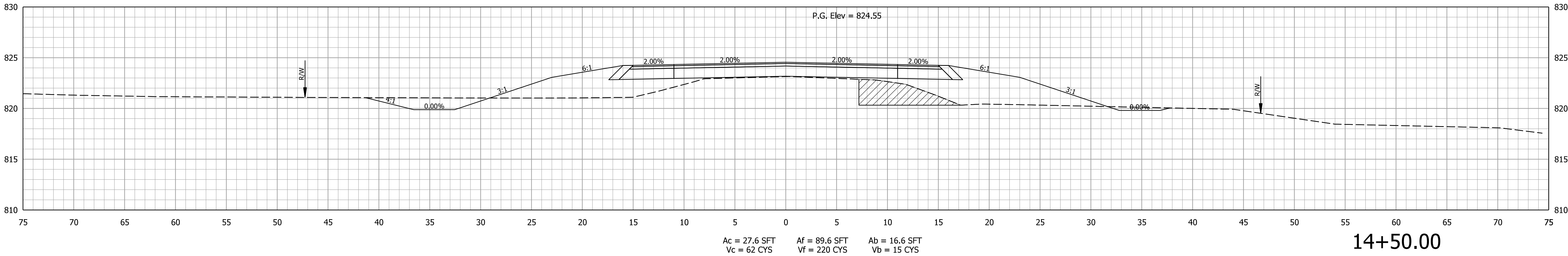
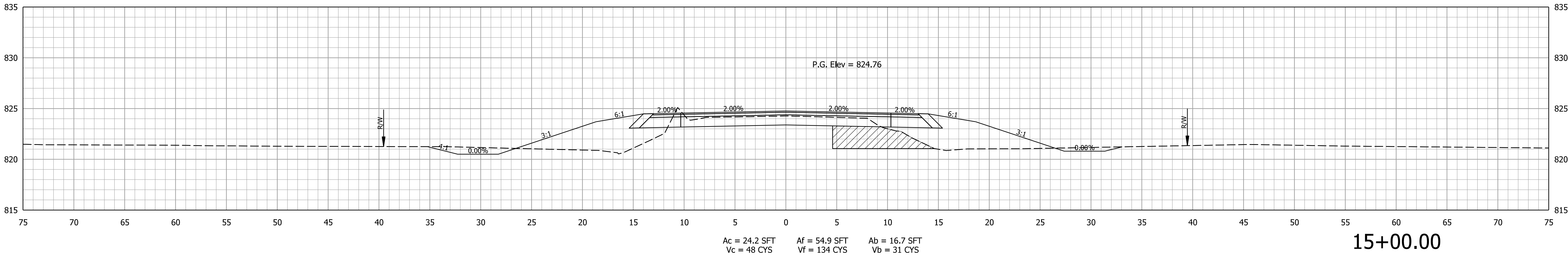
STA. 12+50.00 TO STA. 12+62.90

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	6/28/2021 DATE	INDIANA DEPARTMENT OF TRANSPORTATION		BRIDGE FILE		
					33016	33017	
				SCALE 1" = 5'	DESIGNATION		
DESIGNED: RMM	DRAWN: RLH	CROSS SECTIONS LINE "A"		SURVEY BOOK		SHEETS	
				18	of	23	
CHECKED: RJZ	CHECKED: RMM			CONTRACT		PROJECT	
					PB-19-0006		



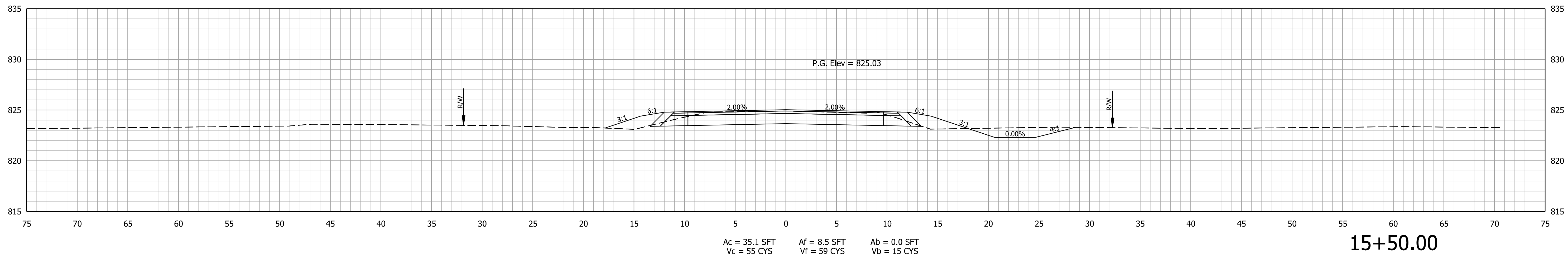
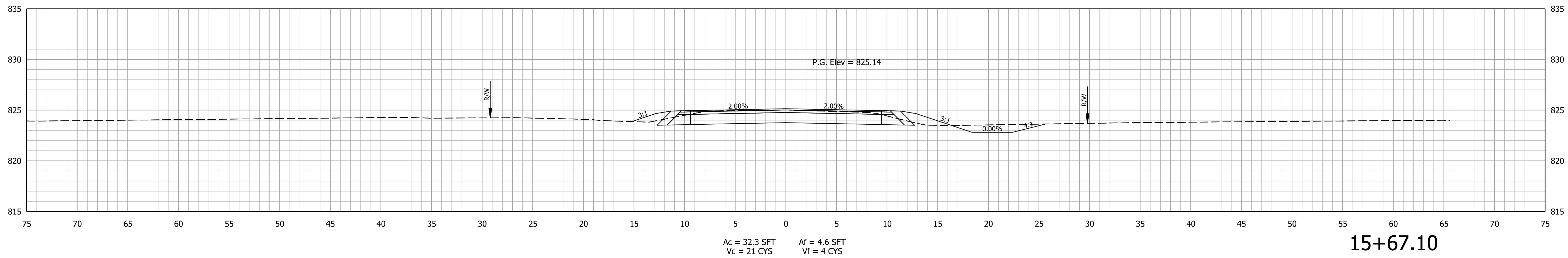
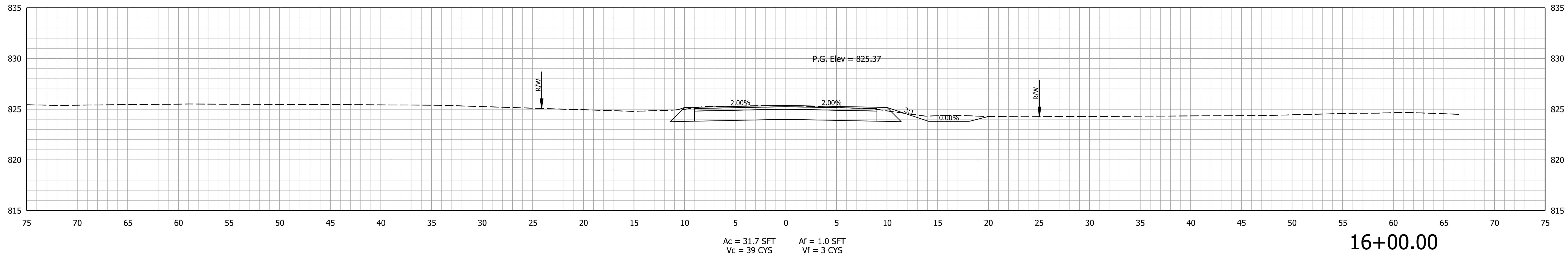


RECOMMENDED FOR APPROVAL		6/28/2021 DATE	INDIANA DEPARTMENT OF TRANSPORTATION		BRIDGE FILE 33016 33017 DESIGNATION	
DESIGN ENGINEER					SCALE 1" = 5'	
DESIGNED: RMM		DRAWN: RLH	CROSS SECTIONS LINE "A"		SURVEY BOOK 20 of 23	
CHECKED: RJZ		CHECKED: RMM			CONTRACT PB-19-0006	



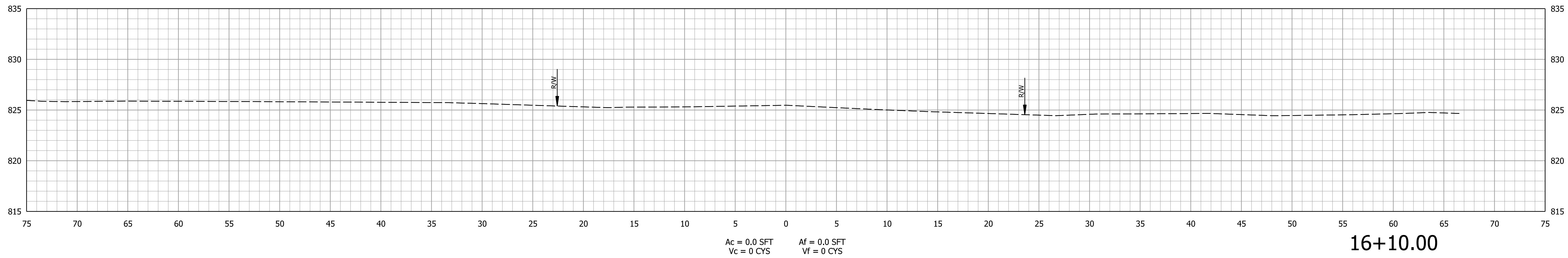
STA. 14+00.00 TO STA. 15+00.00

<div>RECOMMENDED FOR APPROVAL</div> <div>DESIGN ENGINEER</div>		<div>6/28/2021</div> <div>DATE</div>	<div>INDIANA</div> <div>DEPARTMENT OF TRANSPORTATION</div>		BRIDGE FILE	
					33016	33017
					DESIGNATION	
			1" = 5'			
DESIGNED: RMM		DRAWN: RLH		SURVEY BOOK		
				21 of 23		
CHECKED: RJZ		CHECKED: RMM		CONTRACT		
				PROJECT		
				PB-19-0006		



STA. 15+50.00 TO STA. 16+00.00

<div>RECOMMENDED FOR APPROVAL</div> <div>DESIGN ENGINEER</div>		<div>6/28/2021</div> <div>DATE</div>	<div>INDIANA</div> <div>DEPARTMENT OF TRANSPORTATION</div>		BRIDGE FILE		
					33016	33017	
					DESIGNATION		
			1" = 5'				
DESIGNED: RMM		DRAWN: RLH		SURVEY BOOK		SHEETS	
						22	of 23
CHECKED: RJZ		CHECKED: RMM		CONTRACT		PROJECT	
						PB-19-0006	



STA. 16+10.00 TO STA. 16+10.00

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER		6/28/2021 DATE
DESIGNED: RMM	DRAWN: RLH	
CHECKED: RJZ	CHECKED: RMM	

INDIANA DEPARTMENT OF TRANSPORTATION	
CROSS SECTIONS LINE "A"	

BRIDGE FILE 33016 33017		
SCALE 1" = 5'		
DESIGNATION		
SURVEY BOOK		
SHEETS 23 of 23		
CONTRACT		
PROJECT PB-19-0006		